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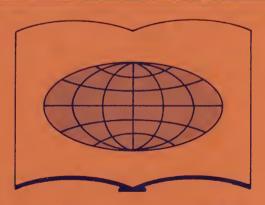


Pesticides Documentation Bulletin

U. S. DEPT. OF A SIGNAL REPORT NATIONAL AGRICULTURAL LIGHT RY

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Volume 5 October 17, 1969 Number 21



U.S. DEPARTMENT OF AGRICULTURE

PESTICIDES DOCUMENTATION BULLETIN

A Bi-Weekly Publication of U.S. Department of Agriculture

OBJECTIVES AND SCOPE

The Pesticides Documentation Bulletin is compiled by the National Agricultural Library's Pesticides Information Center to facilitate national research efforts in all aspects of pest control. This bi-weekly index to the literature includes coverage of diseases, insects, nematodes, parasites, weeds and other pests affecting plants, animals, man, our natural resources and other values in man's environment. Special emphasis is given to the literature on toxicological, physiological and epidemiological aspects of pests and their control by chemical biological and integrated methods.

For broader coverage of literature on agriculture and related subjects, please consult the *Bibliography of Agriculture*, a monthly publication of the National Agricultural Library.

FORMAT

The *Bulletin* is a categorized bibliography, with citations arranged alphabetically by author under the following major subjects:

- 10 Entomology
- 20 Crop Protection
- 30 Livestock Protection
- 40 Commodity Protection
- 50 Environmental Contamination
- 55 Residues
- 60 Toxicology
- 65 Plant Physiology & Biochemistry
- 70 Chemistry
- 80 Engineering
- 90 Industry

Citations: Each citation consists of an accession number assigned serially with the last two digits representing the Bulletin's issue year, i.e. 3286-67. The citation number (minus the year) is used in all indices. Following the accession number is the full title of the article; all personal authors; an abbreviated journal title; volume, issue and inclusive page numbers; date of publication; language abbreviation, if other than English; and the National Agricultural Library's call number. Subject descriptors, patent or grant numbers, bibliographer's notes, and abstracts or extracts may follow each citation when appropriate.

Subject Index: Subject descriptors appear in the index followed by title arranged numerically by accession number. The Agricultural/Biological Vocabulary developed by the National Agricultural Library is used as a basic thesaurus of descriptors.

Biographical Index: Names of first authors are arranged alphabetically, followed by organizational affiliation and accession number.

Author Index: Names of personal authors are arranged alphabetically, followed by accession numbers of pertinent citations.

Organizational Index: Names of corporate authors or sponsoring organizations are arranged alphabetically followed by accession numbers of pertinent citations.

Other Files

In addition to the citations contained in the Bulletin, the Pesticides Information Center maintains two other files, the INTREDIS Register and the Herbicides Data File.

The INTREDIS Register is a computer data bank in the field of forest pathology. It contains title and author references to abstracted articles including subject, country, host plant genus or species, organisms causing the diseases, abstracting journal and year of publication. The computer search uses boolean parameters in any combination of elements listed.

The Herbicides Data File consists of reports on field tests conducted by the Crops Protection Research Branch, Crop Research Division, Agriculture Research Service. Each test record contains the following items of information:

Compound Tested

Company furnishing the compound

Author or Investigator

Test Sponsor

Date

Location

Mode of Application

Rates of Application

Soil Types

Carriers

Crops or Weeds tested with phytotoxicity ratings

Associated documentation

Note: Items subject to proprietory restriction will be suppressed when appropriate.

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ACKNOWLEDGMENT

The Pesticides Information Center, National Agricultural Library, gratefully acknowledges the cooperation and assistance of the Department of Defense; Health, Education, and Welfare; and Interior; the Federal Committee on Pest Control, and state and industrial organizations in the development of the Center and preparation of this Bulletin. Special thanks are expressed to the Federal Committee on Pest Control for its suggestions and support. We hope the Bulletin will serve as an example of the effectiveness of interdepartmental cooperation and the speed with which effective services can be developed through a coordinated and cooperative interdepartmental effort.

Use of funds for printing this publication approved by the Director of the Bureau of the Budget (May 23, 1968).

PLEASE GIVE COMPLETE BIBLIOGRAPHIC INFORMATION AS IT APPEARS IN THIS PUBLICATION FOR EACH ITEM REQUESTED.

This publication reports research involving pesticides. It does not contain recommendations for their use, nor does it imply that the uses discussed here have been registered. All uses of pesticides must be registered by appropriate State and/or Federal agencies before they can be recommended.

CAUTION: Pesticides can be injurious to humans, domestic animals, desirable plants, and fish or other wildlife—if they are not handled or applied properly. Use all pesticides selectively and carefully. Follow recommended practices for the disposal of surplus pesticides and pesticide containers.

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^{*}This issue does not contain citations under this category.



ENTOMOLOGY

SYSTEMATICS

12331-69

REVISION OF THE GENUS PHLEBOTOMUS OF ARICA SOUTH OF THE ZAMBESI, KEY FOR THE IDENTIFICATION AND DESCRIP-TION OF: P. SALISBURIENSIS N. SP., P. ZUMP-TI N. SP. AND P. HAESELBARTHI N. SP., (DIP-TERA-PSYCHODIDAE). (FR)

E Abonnenc

Entomol Med Cahiers 5(1):3-19 REF

1967 SB931.A1O3

Insect identification, Insect taxonomy, Medical entomology, Phlebotomus, Psychodidae. English summary

12332-69

GEOGRAPHIC DISTRIBUTION ANOPHELES IN THE REPUBLIC OF CONGO (BRAZZAVILLE). (FR)

I P Adam

Entomol Med Cahiers (2):73-82 MAP REF

Oct 1964 SB931.A1O3

Anopheles, Medical entomology, Zoogeography.

AND LITTLE-KNOWN INDIAN CRANEFLIES (TIPULIDAE, DIPTERA) I.

C P Alexander

Oriental Insects 1(3/4):197-208

Dec 1967 QL461.07

Insect taxonomy, Tipulidae, Zoogeography.

The new species described are; forimarga (O.) pachyrhyncha, Limonia (Afrolimonia) indra, L. (L.) submurcida, L. (Goniodineura) magnisiva, L. (Dicranomyia) amblymorpha, L. (D.) pristomera, L. (geranomyia) seccanica, and L. tigriventris.

STUDIES THE **SPECIES** XYLAPLOTHRIPS PRIESNER FROM INDIA. T N Ananthakrishnan A Jagadish

Zool Anz 182(1-2,JAN-FEB):121-133

Feb 1969 410 Z7

Insect taxonomy, Thripidae, Thysanoptera.

ON SOME SPECIES OF TAENIOTHRIPS SER-VILLE AND THRIPS LINN WITH FURTHER NOTES ON HYALOPTEROTHRIPS ROONN-SALI BHATTI FROM INDIA.

T N Ananthakrishnan A Jagadish Zool Anz 182(1-2, JAN-FEB):113-121

Feb 1969 410 Z7

Insect taxonomy, Taeniothrips, Thrips, Thysanop-

12336-69

TABANIDAE. (FR)

M P Aradi

Entomol Med Cahiers 4(7):43-74

Sep 1966 SB931.A1O3

Illustrations, Insect taxonomy, Insect vectors, Medical entomology, Parasitism, Predaceous insects, Tabanidae, Zoogeography. Taxonomic description of about 200 species.

Translated from the Hungarian by E. Simonkovich. extract from Fauna Hungariae 14(Diptera,1-9) 1958, published by Akademiai Kiado Budapest.

DROSOPHILA ANDALUSIACA, A POLYMORPHIC SPECIES NEW TO HOLLAND. DROSOPHILA

J A Beardmore

Arch Neer Zool 17(2):275-277

Jun 1967 410 AR27

Drosophila andalusiaca, Insect genetics, Polymorphism, Surveys.

THE SUBSPECIES OF RHINOCORIS IRACUN-DUS (PODA), 1761 (HETEROPTERA, REDU-VHDAE).

P Benedek

Zool Anz 182(1-2 JAN-FEB):139-143 Fcb 1969 410 Z7

Insect taxonomy, Reduviidae, Surveys.

12339-69

THE TRYPHACTOTHRIPS-COMPLEX IN IN-DIA, WITH A KEY TO THE WORLD GENERA (THYSANOPTERA: THRIPIDAE).

Oriental Insects 1(3/4):139-191 REF

Dec 1967 QL461.07

Insect taxonomy, Thripidae, Thysanoptera, Zoogeography.

12340-69

STUDIES ON INDIAN CRICKETS (ORTHOP-TERA: INSECTA), PART I.

H K Bhowmik

Zool Anz 182(1-2,JAN-FEB):143-152

Feb 1969 410 Z7

Gryllidae, Insect taxonomy, Surveys.

12341-69

FOUR METHODS OF SAMPLING TO MEASURE POPULATIONS OF ALFALFA WEEVIL LARVAE.

C C Blickenstaff J L Huggans

J Econ Entornol 62(3):556-557

16 Jun 1969 421 J822

Alfalfa, Azinphosmethyl, Chemical control (insects), Hypera postica, Insect pests, Insecticides, Larvae, Organophosphorus compounds, Population, Sampling (statistics), Statistical methods.

CONTRIBUTION TO THE STUDY OF THE CULEX OF THE ETHIOPIAN REGION BELONGING TO THE SUB-GENUS MOCHTHOGENES (DIPTERA, CULICIDAE), WITH A DESCRIPTION OF THE MALES OF FIVE NEW SPECIES. (FR)

J Brunhes J P Adam H Bailly-Choumara Entomol Med Cahiers 5(1):43-52

1967 SB931.A1O3

Culex, Insect identification, Insect taxonomy, Medical entomology. English summary.

12343-09
CONTRIBUTION TO THE STUDY OF THE CU-LICIDAE OF THE ETHIOPIAN REGION.
DESCRIPTION OF CULEX (BARRAUDIUS)
RICHETI N. SP. SUPPLEMENTAL NOTES ON
CULEX (B.) PUSILLUS MACQUART AND
CULEX (B.) MODESTUS FICALBI. (FR)

J Brunhes P Venard

Entomol Med Cahiers 4(7):75-84

Sep 1966 SB931.A1O3

Culex, Culicidae, Insect identification, Insect taxonomy, Medical entomology. English summary.

The author compares n. sp. Culex richeti with that of Culex pusillus and Culex modestus.

OCCURRENCE OF CULEX P. QUINQUEFASCIATUS SAY IN NEVADA. PIPIENS H C Chapman R C Bechtel

Mosquito News 29(1):137

Mar 1969 421 M85

Culex pipiens, Surveys.

12345-69

CONVERSION OF RESULTS OF CONCENTRATED SAMPLES TO DENSITY ESTIMATES OF EGG AND LARVAL POPULATIONS OF THE NORTHERN CORN ROOTWORM.

H C Chiang V Sisson D Rasmussen J Econ Entornol 62(3):578-583 REF

16 Jun 1969 421 J822

Corn, Diabrotica longicornis, Diabrotica virgifera, Insect eggs, Insect pests, Larvae, Population, Sampling (statistics), Statistical methods.

12346-69

THE ANOPHELES CLAVIGER COMPLEX IN THE MEDITERRANEAN SUBREGION. (IT) M Coluzzi G Sacca E D Feliciangefi Entomol Med Cahiers (3/4):97-102 MAP REF Mar 1965 SB931.A1O3

Anopheles, Anopheles claviger, Insect taxonomy, Medical entomology, Zoogcography.

CULICOIDES MOLLIS EDWARDS (DIPTERA: CERATOPOGONIDAE) ON AITUTAKI ISLAND, COOK ISLANDS.

L. I. Dumbleton

New Zeal Entomol 4(2):36-37

Apr 1969 421 N48

Ccratopogonidae, Culicoides, Zoogeography.

NOTE ON THE BROWN COCKROACH, PERIPLANETA BRUNNEA, IN TEXAS.

D Eddleman D Simon

Ned Entomol 63(3):678-679 MAP

May 1969 420 N82

Periplaneta brunnea, Zoogeography.

12349-69

ON TWO MITES OF ECONOMIC IM-PORTANCE IN JAPAN (ARACHNIDA: ACARINA).

S Ehara

Appl Entomol Zool 3(3):124-129 REF

Sep 1968 SB599.A6

Apis mellifera, Brevipalpus, Insect identification, Insect taxonomy, Parasitism, Varroa jacobsoni, Zoogeography.

12350-69

TRIBAL POSITIONS OF WESTERN HEMI-SPHERE GREEN SWEAT BEES, WITH COM-MENTS ON THEIR NEST ARCHITECTURE (HYMENOPTERA HALICTIDAE).

G C Eickwort

Entomol Soc Amer Ann 63(3):652-660 REF

May 1969 420 EN82

Halictidae, Insect nests, Insect taxonomy, Zoogeography.

12351-69

A NEW SPECIES OF MEGOUROPARSUS (HOMOPTERA: APHIDIDAE) FROM NORTHEAST INDIA.

A K Ghosh D N Raychoudhuri Entomol Soc Amer Ann 62(5):952-953

15 Sep 1969 420 EN82 Aphididae, Insect taxonomy,

THE AGE COMPOSITION OF ANOPHELES MELAS THEOBALD (1903) POPULATIONS COLLECTED SIMULTANEOUSLY BY DIF-FERENT METHODS IN THE GAMBIA, WEST AFRICA.

M E C Giglioli

Entomol Med Cahiers (3/4):11-26 MAP REF

Mar 1965 SB931.A1O3

Anopheles, Insect populations, Medical entomology, Zoogeography.

INDIAN SPECIES OF SCAMBUS HARTIG (HYMENOPTERA: ICHNEUMONIDAE).

V K Gupta D T Tikar

Oriental Insects 1(3/4):215-237 MAP

Dec 1967 QL461.07

Hymenoptera, Ichneumonidae, Insect taxonomy, Zoogeography.

The new species described are: Scambus kashmiricus, garhwalensis, assamensis, lucidus, laccae, striatus, indicus, simulator, flavicros and aithome-

12354-69

CONTRIBUTION TO THE STUDY OF THE DISTRIBUTION OF ANOPHELES IN WEST AFRICA. (FR)

J Hamon J Coz J P Adam M Holstein A Rickenbach J Brengues R Subra S Sales M Eyraud

Entomol Med Cahiers 4(6):13-70 MAP REF 1966 SB931.A1O3

Anopheles, Medical entomology, Zoogeography. English summary. 47 anopheline species were recorded.

12355-69

RACE E, SIXTH RACE OF THE HESSIAN FLY, MAYETIOLA DESTRUCTOR, DISCOVERED IN GEORGIA WHEAT FIELDS.

J H Hatchett

Ned Entomol 63(3):677-678

May 1969 420 N82

Insect taxonomy, Mayetiola destructor, Wheat.

12356-69

A NEW IDIOCERIDAE FROM CHILE: IDIOCERUS HICHINSI N. SP. (HOMOPT.). (GE00)

F Heller

Entomol Z 79(14):155-157

15 Jul 1969 421 EN85

Idiocerus, Insect taxonomy.

THREE NEW APHID SPECIES OF THE SUB-FAM. DACTYNOTINAE FROM THE CRIMEA (HOMOPTERA).

J Holman

Acta Ent Bohemoslov 59(1):28-37

1962 420 C33

Aphididae, Insect identification, Insect taxonomy.

12358-69

NINTH SUPPLEMENT TO THE CATALOGUE OF CENTRAL EUROPEAN BEETLES. (GE00)

Entomol B1 65(1):1-47 MAP

30 Jul 1969 421 EN833

Catalogs, Coleoptera, Zoogeography.

12359-69

ACARINA ASSOCIATED WITH MICHIGAN BOMBINAE.

R W Husband

Mich Acad Sci Arts Lett Pap 53:109-112

1968 500 M582

Bombini, Mites, Zoogeography.

12360-69

TWO NEW MALAYAN SPECIES OF THE GENUS NEPHOTETTIX (HEMIPTERA: CICADELLIDAE).

T Ishihara E Kawase

Appl Entomol Zool 3(3):119-123

Sep 1968 SB599.A6

Cicadellidae, Insect identification, Insect taxonomy, Nephotettix.

12361-69

THE LECTOTYPE OF BRUCHUS JULIANUS.

C D Johnson

Ned Entomol 63(3):676-677

May 1969 420 N82

Bruchus, Insect taxonomy, Zoogeography.

12362-69

REPORT ON SOME NEOTROPICAL ANT STU-DIES.

W W Kempf W L Brown

Sao Paulo Dep Zool Papeis Avulsos 22(10):89-102 RFF

04 Dcc 1968 410.9 SA63

Formicidae, Inscct taxonomy, Zoogeography.

FAUNISTIC AND ECOLOGICAL DATA ON THE FLEAS OF MADAGASCAR (SIPHONAP-TERA). (FR)

J M Klein G Uilenberg

Entomol Med Cahiers 4(8):31-60 MAP REF

1966 SB931.A1O3

Insect coology, Insect identification, Insect taxonomy, Medical entomology, Parasitism, Rodents, Siphonaptera, Zoogeography.

Description of 24 species and sub-species of Siphonaptera plus a listing of their hosts.

TABANIDAE (DIPTERA) OF MOROCCO, 111. DESCRIPTION OF TABANUS CHOUMARAE N. SP. (FR)

M Lcclercq

Entomol Med Cahiers 5(2):127-131

1967 SB931.A1O3

Insect identification, Insect taxonomy, Medical entomology, Tabanidae. English summary.

12365-69

CISIDAE STUDY 1V. (GE00)

G A Lohsc

Entomol B1 65(1):48-52

30 Jul 1969 421 EN833

Cisidae, Insect taxonomy, Zoogcography.

NOTES ON THE SUBJECT OF SOUTH AMERICAN CULICIDAE. THE DISTRIBUTION OF THE GENUS HAEMAGOGUS WILLISTON, 1896, IN SOUTH AMERICA. (FR)

A Martinez R U Carcavallo

Entomol Med Cahiers (3/4):39-45 MAP

Mar 1965 SB931.A1O3

Culicidae, Medical entomology, Zoogeography.

NEW SPECIES OF KRISTOTOMUS (HYMENOPTERA: ICHNEUMONIDAE) FROM INDIA.

W R M Mason

Oriental Insects 1(3/4):211-214

Dec 1967 OL461.07

Hymenoptera, Ichneumonidae, Insect taxonomy, Zoogeography.

12368-69

THE ARMORED SCALE INSECTS OF TEXAS (HOMOPTERA: COCCOIDEA: DIASPIDIDAE).

B McDaniel

Southwest Natur 14(1):89-113

16 May 1969 409.6 SO8

Diaspididae, Homoptera, Insect taxonomy, Survcys, Zoogcography.

12369-69

A NEW JAPANESE SPECIES OF TRIOZA FROM MACHILUS THUNBERGII, WITH DESCRIPTIONS OF THE IMMATURE STAGES AND NOTES ON BIOLOGY (HEMIPTERA: PSYLLIDAE).

Y Mivatake

Shikoku Entornol Soc Trans 10(1):1-10

Aug 1968 420 SH6

Insect biology, Insect identification, Insect pests, Insect taxonomy, Parasitism, Predaceous insects, Psyllidae.

CONTRIBUTION TO THE KNOWLEDGE OF THE GENUS EPITHRIX FOUDR. (COLEOP-TERA, CHRYSOMELIDAE, HALTICINAE). (GE)

K H Mohr

Entomol Bl 64(1):58-60

15 Jul 1968 421 EN833

Chrysomelidae, Epitrix, Insect taxonomy, Jordan.

ANNOUNCEMENT OF A MAP SHOWING THE DISTRIBUTION OF GLOSSINA IN EASTERN CAMEROON.

J Mouchet J Gariou

Entomol Med Cahiers 4(6):83-85 MAP

1966 SB931 A1O3

Cameroun, Glossina, Insect vectors, Medical entomology, Trypanosomiasis, Zoogeography.

12372-69

INTERSEX OF CULICOIDES CIRCUMSCRIP-TUS KIEFFER (CERATOPOGONIDAE: DIP-TERA).

S Navai A Mesghali

Mosquito News 29(1):136-137

Mar 1969 421 M85

Ccratopogonidae, Culicoides, Insect morphology, Intersexuality.

12373-69

TAXONOMIC REVIEW, ECOLOGICAL AND BIOLOGICAL ASPECTS OF DIPTERA (CU-LICIDAE) LIVING IN THE FOREST OF

MANERA (PROVINCE OF KAFFA) ETHIOPIA. (FR)

P Neri

Entomol Med Cahiers (3/4):47-56 MAP

Mar 1965 SB931.A1O3

Culicidae, Insect biology, Insect ecology, Insect taxonomy, Medical entomology, Zoogeography.

Information on: Aedes africanus, A. aegyptii, A. simpsoni, A. luteocephalus, A. usambara, A. cumminsi and A. stokesi.

TABANIDAE OF CAMEROON. I. DESCRIP-TION OF NEW SPECIES. (FR)

M Ovazza J Mouchet

Entomol Med Cahiers 5(2):93-105 MAP REF

1967 SB931.A1O3

Insect identification, Insect taxonomy, Medical entomology, Tabanidae, Zoogcography. English sum-

12375-69

A REVIEW OF THE GENUS HYPERALONIA RONDANI (BOMBYLIIDAE, DIPTERA) FROM SOUTH AMERICA.

R H Painter E M Painter

Sao Paulo Dep Zool Papeis Avulsos 22(12):107-121 MAP REF

04 Dec 1968 410.9 SA63

Bombyliidae, Inscct taxonomy, Zoogcography.

12376-69

ANOPLURA OF RODENTS AND INSEC-TIVORES IN THE CENTRAL AFRICAN REPUBLIC. (FR)

F X Pajot

Entomol Med Cahiers 5(2)107-114

1967 SB931.A1O3

Anoplura, Ectoparasites, Insect identification, Insect taxonomy, Medical entomology, Rodents. English summary. 14 species were recorded, one of which is new.

FURTHER IMPROVEMENTS ON THE MASS REARING OF DAPHNIA MAGNA.

B L Parker J E Dewey

J Econ Entomol 62(3):725-726 16 Jun 1969 421 J822

Arthropod rearing, Daphnia magna.

A LIGHT-TRAP BAG FOR COLLECTING LIVE INSECTS.

W J Powers

J Econ Entomol 62(3):735-736

16 Jun 1969 421 J822 Dioryctria, Imagos, Insect collecting equipment, Insect pests, Light traps, Pine cones, Pinus.

12379-69 A SIMPLIFIED TRAP FOR COLLECTING ADULT PECAN WEEVILS.

H G Rancy R D Eikenbary

J Econ Entornol 62(3):722-723

16 Jun 1969 421 J822 Curculio caryae, Imagos, Insect collecting equipment, Insect traps.

ON THE GENITALIA OF MERODONTINA SIK-KIMENSIS ENDERL. (ASILIDAE, DIPTERA) WITH A DESCRIPTION OF A NEW SPECIES OF MERODONTINA ENDERL. FROM INDIA.

K R Rao P Parui

Zool Anz 182(1-2 JAN-FEB):110-113

Feb 1969 410 Z7 Asilidac, Insect morphology, Insect taxonomy, Reproductive organs.

12381-69

SOME INTERESTING MACROLEPIDOPTERA FROM THE FAUNA OF FRANKFURT AM MAIN. (GE00)

H Rauch

Entomol Z 79(14):162-164

15 Jul 1969 421 EN85

Insect taxonomy, Lepidoptera.

12382-69 PHYCITINAE. STUDY VI (LEPIDOPTERA, PYRALIDAE). (GE00)

U Roesler Entomol Z 79(14):149-154 15 Jul 1969 421 EN85 Insect taxonomy, Pyralidae.

DESCRIPTION OF A NEW SPECIES OF BRADYSIA (DIPTERA, SCIARIDAE).

Sauaia M A R Alves Sao Paulo Dep Zool Papeis Avulsos 22(9):85-88 04 Dec 1968 410.9 SA63 Insect taxonomy, Sciaridae.

12384-69 NOTES ON THE MORPHOLOGY, TAXONOMY, AND DISTRIBUTION OF THE IDIOSTOLIDAE (HEMIPTERA-HETEROPTERA).

C W Schaefer D Wilcox Entomol Soc Amer Ann 63(3):485-502 MAP REF May 1969 420 EN82 Idiostolidae, Insect taxonomy, Zoogeography.

NEW MICROLEPIDOPTERA FOR THE LOCAL FAUNA OF SAARLAND FROM THE COLLECTION OF FRITZ HUTTEN, KARLSBRUNN (III). (GE00)

W Schmidt-Koehl Entomol Z 79(14):158-162 MAP 15 Jul 1969 421 EN85 Insect taxonomy, Lepidoptera.

ON A NEW SPECIES OF THE GENUS PER-LODES (PLECOPTERA: PERLODIDAE) FROM

R K Singh S K Ghosa Zool Anz 182(1-2, JAN-FEB):134-136 Feb 1969 410 Z7 Insect taxonomy, Plecoptera.

DISTRIBUTION OF THE CORN EARWORM ON ST. CROIX, U.S. VIRGIN ISLANDS, AND ITS RELATION TO SUPPRESSION PROGRAMS.

J W Snow W W Cantelo M C Bowman J Econ Entomol 62(3):606-611, MAP 16 Jun 1969 421 J822

Heliothis zea, Insect control, Insect traps, Larvae, Phosphorus isotopes, Policies, Radioactive tracers, Zoogeography.

12388-69 A NEW GENUS AND SPECIES OF TYDEIDAE (ACARI : PROSTIGMATA) FROM NEW ZEA-LAND.

A V Spain Acarologia 11(1):23-28 Jan 1969 434.8 AC1

Acarina, Eupodidae, Insect ecology, Insect taxonomy, Zoogeography. French abstract.

12389-69 THE BLACK FLIES OF ALABAMA (DIPTERA: SIMULIIDAE). A Stone E L Snoddy

Ala Agr Exp Sta Bull (390):93P MAP REF Apr 1969 100 ALIS (1)

Insect biology, Insect collecting equipment, Insect taxonomy, Simuliidae, Zoogeography.

THE BLACK FLIES OF ALABAMA (DIPTERA: SIMULIIDAE). A Stone E L Snoddy

Ala Agr Exp Sta Bull 390:93P REF Apr 1969 100 ALIS (1)

Alabama, Cnephia, Diptera, Insect biology, Insect ecology, Insect taxonomy, Prosimulium, Simuliidae, Simulium, Zoogeography.

12391-69 REMARKS ON THE TAXONOMY MOSQUITOES. (FR)

A Stone J Hamon Entornol Med Cahiers (3/4):3-9 REF Mar 1965 SB931.A1O3

Culicidae, History, Insect taxonomy, Medical en-

THE DISCOVERY OF A REPRESENTATIVE OF THE PTOMAPHAZININI IN CUBA (WITH AN OUTLINE OF THE SYSTEMATICS AND THE DISTRIBUTION OF THIS TRIBE) (COLEOPTERA, CATOPIDAE). (FR00)

W. Szymczako Ski Acta Zool Cracov 14(4):87-97 15 Mar 1969 410 AC86

Insect taxonomy, Leptodiridae, Zoogeography. Polish and Russian abstract.

A NEW POROLOHMANNELLA SPECIES FROM THE EUSTYGON NEAR WIESBADEN (LIMNOHALACARIDAE, ACARINA). (GE00) D Teschner

Zool Anz 182(1-2,JAN-FEB):95-101

Feb 1969 410 Z7

Acarina, Insect taxonomy,

PSYCHODIDAE), A NEW SPECIES CAUGHT IN THE CAVES OF CAMEROON AND IN THE CENTRAL AFRICAN REPUBLIC. (FR)

Entomol Med Cahiers 5(2):67-70 1967 SB931.A1O3

Insect identification, Insect taxonomy, Medical entomology, Phlebotomus, Psychodidae, Zoogeography. English summary.

12395-69

SEVERAL NEW SUCKING-INSECT SPECIES AND SUBSPECIES FROM THE PALEARCTIC REGION. (196. CONTRIBUTION TO THE KNOWLEDGE OF THE CURCULIONIDAE). (GE00)

E Voss

Entomol Bl 65(1):53-63 30 Jul 1969 421 EN833

Curculionidae, Insect taxonomy.

12396-69

SYSTEMATICS AND ACOUSTIC BEHAVIOR OF UNITED STATES CRICKETS OF THE GENUS CYRTOXIPHA (ORTHOPTERA: GRYL-LIDAE). T J Walker

Entomol Soc Amer Ann 62(5):945-952 15 Sep 1969 420 EN82 Gryllidac, Insect behavior, Insect taxonomy, Sound

waves. 12397-69

MIDDLE EAST LEPIDOPTERA--XXIV: BEIHANIA, A NEW NOCTUID GENUS FROM SOUTHERN ARABIA WITH TWO NEW SPE-CIES FROM ARABIA AND SOMALILAND.

E. P. Wiltshire

Bombay Natur Hist Soc J 64(2):232-237 Aug 1967 513 B63

Insect taxonomy, Noctuidae.

12398-69

THE SHORE CANACEOIDES FLIES OF THE CRESSON (D GENUS (DIPTERA: CANACEIDAE).

W W Wirth 34(19):551-570, MAP

07 May 1969 500 C12P Canaceidae, Canaceoides, Insect taxonomy, Zoogeography.

12399-69

TWO NEW SOUTH AFRICAN MACHILIDS OF THE GENUS MACHILOIDES (MICROCORY-PHIA, INSECTA).

P Wygodzinsky Amer Mus Novitates (2377):1-10 13 Jun 1969 500 N483N

Machilidae, Machiloides, Insect taxonomy, Thysanura.

12400-69

DESCRIPTION OF IMMATURE STAGES OF COREIDAE. 2. ACANTIIOCEPHALA TER-MINALIS.

TR Yonke JT Mcdler

Entomol Soc Amer Ann 63(3):474-476

May 1969 420 EN82

Acanthocephala, Insect eggs, Insect taxonomy,

12401-69

THE FIRST INSTAR LARVAE OF THE GENUS TRIXA MEIGEN AND REMARKS ON THE SYSTEMATICS AND NOMENCLATURE OF THIS GENUS (DIPTERA, LARVAEVORIDAE).

Acta Ent Bohemoslov 59(1):80-86 REF 1962 420 C33

Insect identification, Insect taxonomy, Larvae, Nomenclature, Tachinidae. Czec summary.

PHYSIOLOGY AND BIOCHEMISTRY

SEX PHEROMONE GLAND IN THE POTATO TUBERWORM MOTH, PHTHORIMAEA OPER-CULELLA.

C Adeesan A J Tamhankar G W Rahalkar Ned Entomol 63(3):670-671 May 1969 420 N82

Glands (insects), Insect histology, Insect morphology, Pheromones, Phthorimaea operculel-

12403-69

A TEN YEAR SURVEY OF TRINIDADIAN ARTHROPODS FOR NATURAL VIRUS INFEC-TIONS (1953-1963).(ABSTRACT).

T H G Aitken L Spence A H Nkers W G Downs Entornol Med Cahiers (3/4):191

Mar 1965 SB931.A1O3

Arboviruses, Arthropoda, Insect diseases, Insect vectors, Medical entomology, Surveys. A total of 474 virus strains representing 29 viruses were found.

THE DISTRIBUTION AND BIOLOGY OF TRIBOLIUM CASTANEUM (COLEOPTERA, TENEBRIONIDAE) ON TEMPERATURE GRADIENTS VARYING IN STEEPNESS.

T G Amos F L Waterhouse Entomol Exp Appl 12(1):44-52

1969 421 EN895

Insect behavior, Insect biology, Temperature, Tribolium castaneum.

12405-69

GYNANDROMORPHISM CULEX TRITAENIORHYNCHUS. M Aslamkhan R H Baker

Mosquito News 29(1):127-132

Mar 1969 421 M85

Culex tritaeniorhynchus, Gynandromorphism, Insect morphology.

STUDIES ON THE PH OF THE DIGESTIVE TRACT OF AULACOPHORA FOVECOLLIS LUCAS AND EPILACHNA DODECASTIGMA WIED.

V B Awasthi

Indian J Entomol 30(1):33-36 REF

Mar 1968 420 IN23

Aulacophora, Epilachna, Gastrointestinal system, Hydrogen-ion concentration, Insect biochemistry, Insect physiology.

THE ROLE PLAYED BY THE NEURONS OF THE BRAIN IN THE CIRCADIAN BEHAVIOR RHYTHM OF GRYLLUS DOMESTICUS L.

BIBLIOGRAPHY

12408-69

A G Azarian V P Tyshehenko Akad Nauk Sssr Dokl 186(2):484-487

1969 511 P444A

Brain, Diurnal rhythm, Gryllus domesticus, Inseet behavior, Nervous system.

12408-69

THE MULTIPLICATION AND SPREAD OF SACBROOD VIRUS OF BEES.

L Bailey

Ann Appl Biol 63(3):483-491 REF

Jun 1969 442.8 AN72

Apis mellifera, Bee diseases, Inseet diseases, Insect physiology, Pollen, Sacbrood.

CANNIBALISM AND PREDATION BY APHIDS.

C J Banks E D M Macaulay J Holman

Nature 218(5140):491

04 May 1968 472 N21

Aphididae, Insect behavior, Insect cultures, Predaceous insects. Many different types of aphids were discussed.

12410-69

THE CHEMOSTERILANT EFFECT ANTHRAMYCIN METHYL ETHER IN DROSO-PHILA MELANOGASTER.

J R Barnes J Fellig M Mitrovic

J Econ Entomol 62(4):902-904 REF

15 Aug 1969 421 J822

Anthramycin methyl ether, Antibiotics, Apholate, Chemosterilants, Drosophila melanogaster, Feed additives, Sterility. Females permanently sterilized when the antibiotic was ingested. Others were not effective.

12411-69

THE REGULATION OF POPULATION DENSI-TY IN THE BARK BEETLE SCOLYTUS SCOLYTUS (F.).

R A Beaver

J Anim Ecol 36(2):435-451 REF

Jun 1967 410 J826

Birds, Insect behavior, Mortality, Parasitic insects, Population, Scolytus scolytus.

12412-69

PAPER WASP IN PITCHER PLANT, SAR-RACENIA PURPUREA L.

G L Bernon

Entomol News (philadelphia) 80(6):148

Jun 1969 421 EN88

Insect eeology, Insect nests, Plants, Polistes.

12413-69

NOTE ON BREEDING OF FRUIT FLIES DACUS CILIATUS LOEW AND D. CUCURBITHE COQUILLETT IN STEM GALLS OF COCCINIA INDÍCA W. AND A.

S K Bhatia Y Mahto

Indian J Entomol 30(3):244-245

Sep 1968 420 IN23

Dacus, Dacus cucurbitae, Insect behavior, Insect rearing, Oviposition, Plant galls, Plants.

THE RESULTS OF MY BREEDING OF ACANTHOBRAHMAEA EUROPAEA HARTIG 1963. A CONTRIBUTION TO THE EXTENT OF VARIATION OF THIS SPECIES (LEP., BRAH-MAEIDAE). (GE)

A Bilek

Wien Entomol Ges Z 78(9-10):88-90

15 Dcc 1967 421 OS7

Brahmaeidae, Insect adaptation, Insect rearing, Polymorphism.

12415-69

STUDIES ON POLLEN GATHERING ACTIVITY OF THE INDIAN HONEY BEE APIS INDICA F. UNDER DELHI CONDITIONS.

D S Bisht N C Pant

Indian J Entomol 30(2):163-168

Jun 1968 420 IN23

Apis indiea, Inseet behavior, Pollen.

12416-69

THE HYMENOPTEROUS POISON GLAND: PROBABLE FUNCTIONS OF THE MAIN GLANDULAR ELEMENTS.

M S Blum H R Hermann

Ga Entomol Soc J 4(1):23-28

Jan 1969 QL461.G4

Dehydrogenases, Glands (inseets), Hymenoptera, Insect physiology, Poison glands, Proteins, Venoms.

UNCOUPLING OF DNA AND HISTONE SYNTHESIS PRIOR TO PROPHASE I OF MEIO-SIS IN THE CRICKET GRILLUS (ACHETA) DOMESTICUS L.

Y F Bogdanov N A Liapunova A I Sherudilo E N Antropova

Exp Cell Res 52(1):59-70 REF

Sep 1968 442.8 EX7

Aeheta domestieus, Cytology, Deoxyribonueleie acid, Histones, Insect biochemistry, Meiosis, Spectrophotometry, Spermatogenesis.

12418-69

FACTORS INFLUENCING AEDES AEGYPTI OCCURRENCE IN CONTAINERS.

H A Bond R W Fay

Mosquito News 29(1):113-116

Mar 1969 421 M85

Aedes aegypti, Color, Containers, Habitats, Insect behavior, Oviposition, Water.

CONTINUOUS REARING OF THE APPLE MAGGOT.

L W Boulanger G E Stanton A L Padula

J Econ Entomol 62(3):748-749

16 Jun 1969 421 J822

Apples, Insect pests, Insect rearing, Rhagoletis pomonella.

12420-69

STUDY OF THE STABILITY OF PAPER IM-PREGNATED WITH OILY SOLUTIONS OF OMS 33 (CARBAMATE) AND OMS 43 (ORANOPHOSPHOROUS COMPOUND). SUSCEPTIBILITY OF FEMALES OF VARIOUS SPECIES OF AFRICAN CULICIDAE TO OMS 33 AND OMS 43. (FR)

J Brengues S Sales

Entomol Med Cahiers 5(1):21-42 REF

1967 SB931.A1O3

Carbamates, Culicidae, Insecticide resistant insects, Medical entomology, Oil insecticide eombinations, Organophosphorus compounds. English summary.

12421-69

POPULATIONS OF THE ANT TETRAMORIUM CAESPITUM LATREILLE.

M V Brian G Elmes A F Kelly J Anim Ecol 36(2):337-342

Jun 1967 410 J826

Insect ecology, Population, Surveys, Tetramorium caespitum.

12422-69

THE TOXICITY OF ALPHA-DIHYDROHEP-TACHLOR AND RELATED COMPOUNDS TO THE HOUSEFLY (M. DOMESTICA L.) AND THEIR METABOLISM BY HOUSEFLY AND PIG LIVER MICROSOMES.

G T Brooks A Harrison

Life Sci 6(13,PT 1):1439-1448 REF

01 Jul 1967 442.8 L62

Biochemistry, Chlorinated hydroearbons, Chromatography, Dihydroheptachlor, Heptachlor, Insect biochemistry, Insect metabolism, Insecticides, Liver, Metabolism, Microsomes, Musca domestica, Swine, Toxicology

12423-69

THE METABOLISM OF DIHYDROCHLOR-DENE AND RELATED COMPOUNDS BY HOUSEFLY (M. DOMESTICA L.) AND PIG LIVER MICROSOMES.

G T Brooks A Harrison

Life Sci 6(7,PT 1):681-689 REF

OI Apr 1967 442.8 L62

Chlorinated hydrocarbons, Hexachloro-3a,4,7,7atetrahydro-4,7-methanoindene, 4,5,6,7, 8, Liver, Metabolism, Microsomes, Musca domestica, Sesamex, Swine, Synergism.

12424-69

RESPONSES OF IPS CONFUSUS TO SYNTHETIC SEX PHEROMONES IN NATURE.

L E Browne W D Bedard P E Tilden R M Silverstein J O Rodin

Science 159(3821):1373-1374

22 Mar 1968 470 SCI2

Attractants, Insect behavior, Insect biochemistry, Ips confusus, Pheromones, Scolytidae.

CONTRIBUTION TO THE STUDY OF THE CU-LICIDAE OF MADAGASCAR. DESCRIPTION OF LARVAE AND NYMPHS OF CULEX (C.) GI-GANTEUS VENTRILLON AND CULEX (C.) AR-GENTEOPUNCTATUS ARGENTEOPUNC-TATUS VENTRILLON. COMPARATIVE NOTES ON THE ADULTS OF THE TWO SPECIES. (FR) J Brunhes

Entomol Med Cahiers 5(4):207-216

1967 SB931.A1O3

Culex, Insect identification, Insect morphology, Larvae, Malagasy Republie, Medieal entomology. English summary

12426-69

SARCOPHAGOUS HABITS OF TRICHOPTERA LARVAE ON DEAD FISH.

M A Brusven A C Scoggan

Entomol News (philadelphia) 80(4):103-105

Apr 1969 421 EN88

Feeding, Fish, Insect behavior, Insect nutrition, Larvae, Trichoptera.

12427-69

CELL LINEAGE, GROWTH, AND DETER-MINATION IN THE IMAGINAL LEG DISCS OF DROSOPHILA MELANOGASTER.

P J Bryant H A Sehneiderman Develop Biol 20(3):263-290 REF

Sep 1969 442.8 D49

Cytology, Drosophila meland geneties, Insect morphology, Legs. Drosophila melanogaster, Insect

DIURNAL FLIGHT IN THE LARGER DYTISCIDAE (COL) AND THE ATTRACTION OF CAR ROOFS TO COLEOPTERA IN FLIGHT.

F D Buck

S London Entornol Natur Hist Soc Proc Trans 7(6,PT 1):14

Mar 1967 420 SO8

Attractants, Diurnal rhythm, Dytiscidae, Inseet behavior, Insect flight.

LABORATORY INSECTICIDE TESTS AGAINST THE FALL WEBWORM.

P E Buffam H W Flake C J Germain

J Econ Entomol 62(3):565-556

16 Jun 1969 421 J822 Bacillus thuringiensis, Biological assay, Carbamates, Chemical control (insects), Chlorinated hydrocarbons, DDT, Forest insects, Hyphantria cunea, Insecticides, Organophosphorus compounds, Spraying.

12430-69

TRAIL LAYING BY LARVAE OF CHLOSYNE LACINIA.

G Bush Ned Entomol 63(3):674-675

May 1969 420 N82

Insect behavior, Larvae, Nymphalidae, Trail marking.

PRESENTING RESULTS OF TESTS INVOLV-ING BIOLOGICALLY ACTIVE MATERIALS. H D Byrne

Ned Entornol 63(3):671-673

May 1969 420 N82

Biological assay, Chemicals, Insect behavior, Insect biochemistry, Statistical analysis.

EFFECT OF WINTER PRECIPITATION AND TEMPERATURE ON OVERWINTERING EGGS OF NORTHERN AND WESTERN CORN ROOTWORMS.

C O Calkins J M Kirk

J Econ Entomol 62(3):541-543

16 Jun 1969 421 J822

Diabrotica longicornis, Diabrotica virgifera, Hibernation, Insect eggs, Plowing, Precipitation, Temperature, Weather.

ECOLOGICAL STUDIES ON THREE POND MIDGES (DIPTERA: CERATOPOGONIDAE) IN QUEBEC.

K L Chan E J LeRoux

Entomol Soc Quebec Ann 12(1):14-34 REF

Jan 1967 420 EN822

Ceratopogonidae, Insect ecology, Population, Seasonal variation.

12434-69

RELATIONSHIP BETWEEN THE PHYSIOLOGICAL AGE AND THE BEHAVIOR OF MOSQUITOES. (FR)

G Chauvet J Coz P Grenier

Entomol Med Cohiers (3/4):103-109 REF

Mar 1965 SB931.A1O3

Anopheles, Culicidae, Insect behavior, Insect physiology, Medical entomology.

THE OCCURRENCE IN MADAGASCAR OF RE-SISTANCE TO DIELDRIN IN THE FORM B OF THE ANOPHELES GAMBIAE COMPLEX. (FR)

G Chauvet G Davidson

Entomol Med Cahiers 4(7):3-12 MAP REF

Sep 1966 SB931.A1O3

Anopheles gambiae, Benzene hexachloride, Chemical control (insects), Chlorinated hydrocarbons, Dieldrin, Insecticide resistant insects, Insecticides, Medical entomology. English summary.

A NEW PARASITE OF THE VEGETABLE WEEVIL IN SOUTHERN CALIFORNIA.

D W Clancy

J Econ Entomol 62(3):743-745

16 Jun 1969 421 J822

Ichneumonidae, Insect biology, Larvae, Listroderes costirostris obliquus, Parasitic insects, Tersilochus.

12437-69

FAILURE OF LABORATORY COLONIES OF BODY LICE TO DEVELOP RESISTANCE TO MALATHION.

M M Cole P H Clark D E Weidhaas

J Econ Entomol 62(3):568-570 REF

16 Jun 1969 421 J822

Biological assay, Experimental insects, Insecticide resistant insects, Malathion, Organophosphorus compounds, Pediculus humanus humanus.

12438-69

BIOLOGICAL OBSERVATIONS ON ANOPHELES GAMBIAE COMPLEX. STRACT). THE (AB-

M Coluzzi

Entomol Med Cohiers (3/4):183-184

Mar 1965 SB931.A1O3

Anopheles gambiae, Insect biology, Insect ecology, Medical entomology. Full text will appear in Rivista di Malariologia .

THE EFFECT OF LIGHT ON THE CIRCADIAN RHYTHM OF LOCOMOTOR ACTIVITY
THE HOUSE CRICKET (ACHI (ACHETA DOMESTICUS L.).

B Cymborowski

Zool Pol 19(1):85-95 REF

1969 410 Z712

Acheta domesticus, Diurnal rhythm, Insect behavior, Insect physiology, Light, Locomotion, Photoperiodism.

DRY PREPARATION OF SMALL SOFT SKINNED ANIMALS PARTICULARLY ARTHROPODS, AND OF PLANT PARTS WITH DICHLORMETHANE-GLACIAL ACETIC ACID-SILICA GEL.. (GE00)

S Cymorek

Notur Mus 99(3):125-126

Mar 1969 509 F856

Arthropoda, Insect collecting equipment, Insect preservation, Methodology, Plants, Silica gels.

MORPHOLOGICAL STUDY ON THE INSTARS OF THE ALFALFA CATERPILLAR, COLIAS LESBIA (F.) (LEP., PIERIDAE). (SP00)

I S De Crouzel R J Salavin D R De Basaldua Rev Invest Agr Ser 5, Patol Veg 5(10):113-138 1968 464.8 R322

Colias, Colias eurytheme, Insect morphology, Larvae, Metamorphosis. English abstract.

NONLINEAR MODEL FOR TRANSIENT RESPONSES FROM LIGHT-ADAPTED WOLF SPIDER EYES.

R D DeVoe

J Gen Physiol 50(8):1993-2030 REF

Sep 1967 447.8 J822

Bio-electric potential, Eyes, Light, Lycosa, Photosensitization, Retina.

NONLINEAR TRANSIENT RESPONSES FROM LIGHT-ADAPTED WOLF SPIDER EYES TO CHANGES IN BACKGROUND ILLUMINATION. R D DeVoe

J Gen Physiol 50(8):1961-1992 REF

Sep 1967 447.8 J822

Eyes, Light, Lycosa, Photosensitization, Retina.

12444-69

A STUDY OF INSECTS ATTACKING DOUGLAS-FIR CONES IN EASTERN MONTANA AND YELLOWSTONE NATIONAL TANA AND PARK, 1967.

J E Dewey F W Honing

U S Forest Serv North Reg (5200):15P MAP Jul 1968 ASB608.D6D4

Choristoneura fumiferana, Contarinia washingtonensis, Forest insects, Insect behavior, Insect pests, Plant injuries, Pseudotsuga menziesii, Zoogeography.

12445-69

THE DEVELOPMENT OF FEMALE GONADS IN PUPAE OF GALLERIA MELLONELLA L. (LEPIDOPTERA).

A Dutkowski

Zool Pol 19(1):115-131 REF

1969 410 Z712

Ecdysone, Eggs, Galleria mellonella, Gonads, Hormones, Insect physiology, Metamorphosis, Nucleic acids, Pupae.

12446-69

EGG-YOLK AND OLIVE JUICE AS SUPPLEMENTS TO THE YEAST HYDROLYZATE-SUCROSE DIET FOR ADULTS OF DACUS OLEAE.

A P Economopoulos M E Tzanakakis Life Sci 6(22,PT 2):2409-2416

15 Nov 1967 442.8 L62

Culture media, Dacus oleae, Egg yolks, Fertility, Insect nutrition, Insect rearing, Olive oil, Sucrose, Yeasts.

RELEVANCE OF METHIONINE, CYSTEINE, CYSTINE AND SULPHATE IN ARTIFICIAL FEEDING OF NEOMYZUS (AULACORTHUM) CIRCUMFLEXUS BUCKT. (APHIDAE, HOMOP-TERA, INSECTA). (GE00) P Ehrhardt

Jun 1969 442.8 B523

Biol Zentrolbl 88(3,MAY-JUN):335-348 REF

Biochemistry, Cysteine, Cystine, Insect nutrition, Insect physiology, Methionine, Neomyzus, Sulfates. English abstract.

AGISTEMUS EXSERTUS AS A PREDATOR OF TWO TETRANICHID MITES.

E A Elbadry M R Abo-elghar S M Hassan S M Kilany

Entomol Soc Amer Ann 63(3):660-661 May 1969 420 EN82

Food habits, Insect cggs, Predaceous insects, Stigmaeidae, Tetranychidae, Tetranychus telarius.

LIFE HISTORY STUDIES ON THE PREDATO-RY MITE AGISTEMUS EXSERTUS.

E A Elbadry M R Abo-elghar S M Kilany Entomol Soc Amer Ann 63(3):649-651

May 1969 420 EN82

Insect biology, Predaceous insects, Stigmaeidae.

DESCRIPTION OF THE MALE, THE LARVA AND THE NYMPH OF FICALBIA (ETORLEP-TIOMYIA) XANTHOZONA VAN SOMEREN, 1948 (DIPTERA, CULICIDAE). (FR)

J P Eouzan L Ferrara A Rickenbach

Entomol Med Cahiers 5(4):223-227

1967 SB931.A1O3

Culicidae, Insect identification, Medical entomology. English summary.

CHANGES IN A HETERODERA ROSTOCHIEN-SIS POPULATION THROUGH THE GROWING SEASON.

K Evans

Ann Appl Biol 64(1):31-41 REF

Aug 1969 442.8 AN72

Heterodera rostochiensis, Insect ecology, Plant nematodes, Population, Potatoes, Seasonal variation.

12452-69

GENETICALLY MARKED AEDES AEGYPTI IN STUDIES OF FIELD POPULATIONS.

R W Fay G B Craig

Mosquito News 29(1):121-127 REF Mar 1969 421 M85

Aedes aegypti, Insect behavior, Population, Sur-

12453-69

12453-69 FURTHER STUDIES ON THE POLLINATION ECOLOGY OF FICUS SYCOMORUS L. (HYMENOPTERA, AGAONIDAE). CHALCIDOIDEA,

J Galil D Eisikowitch

Tijdschr Entomol 112(1):1-13 REF 09 May 1969 421 T21

Ficus sycomorus, Insect behavior, Insect ecology, Insect pollinators, Oviposition, Pollination.

A LARGE MIGRATION OF THE AUSTRALIAN PAINTED LADY BUTTERFLY, VANESSA KERSHAWI (MCCOY), TO NEW ZEALAND.

G W Gibbs New Zeol Entomol 4(2):14-21 MAP

Apr 1969 421 N48 Insect migration, Nymphalidae, Vanessa.

THE PROBLEM OF AGE DETERMINATION IN ANOPHELES MELAS THEO. 1903, BY POLOVODOVA'S METHOD.

M E C Giglioli

Entornol Med Cohiers (3/4):157-177 REF Mar 1965 SB931.A1O3 Anopheles, Dissection, Insect ecology, Insect physiology, Medical entomology, Surveys.

BIPHASIC SYSTEM FOR SEPARATION OF SPORES AND CRYSTALS OF BACILLUS THURINGIENSIS.

N S Goodman R J Gottfried M H Rogoff

ENTOMOLOGY

12457-69

BIBLIOGRAPHY

J Bacteriol 94(2):485 Aug 1967 448.3 J82

Bacillus thuringiensis, Bacteriology, Spores.

12457-69

MOSQUITO CONTROL.

N G Gratz

Entomol Med Cahiers (3/4):137-143 REF

Mar 1965 SB931.A1O3

Anopheles, Chemical control (insects), Culicidae, Insecticide resistant insects, Insecticides, Larvicides, Medical entomology. Many insecticides are discussed.

12458-69

OBSERVATIONS ON TANDEM-RUNNING, TENACITY AND AGGRESSION IN THE INDI-AN RED ANT, OECOPHYLLA SMARAGDINA FABR..

Trop Ecol 9(2):194-200 REF

Dec 1968 451 IN85

Formicidac, Insect behavior, Longevity.

LYPOLYSIS OF TRIGLYEERIDES DURING COLD STORAGE OF EGGS OF CORN ROOT-WORMS.

P L Guss

Ned Entomol 63(3):675-676

May 1969 420 N82

Cold storage, Diabrotica undecimpunctata howardi, Diabrotica virgifera, Glycerides, Insect eggs, Insect metabolism.

12460-69

THE SARCOPLASMIC RETICULUM AND ITS ASSOCIATION WITH THE T SYSTEM IN AN INSECT.

M Hagopian D Spiro

J Cell Biol 32(3):535-545 REF

Mar 1967 442.8 J828

Cytology, Electron microscopy, Insect physiology, Leucophaca maderae, Respiratory system, Sarcosomes.

12461-69

REPRODUCTIVE CAPACITY OF THE GREEN PEACH APHID ON MARYLAND TOBACCO.

F P Harrison

J Econ Entomol 62(3):593-596

16 Jun 1969 421 J822

Fertility, Insect physiology, Myzus persicae, Population, Reproduction, Statistical methods, Tobac-

12462-69

A STUDY OF THE MORTALITY FACTORS ACTING UPON CYZENIS ALBICANS (FALL.), A TACHINID PARASITE OF THE WINTER MOTH (OPEROPHTERA BRUMATA (L.)).

M P Hassell J Anat 38(2):329-339 REF

Jun 1969 447.8 J826

Cyzenis albicans, Geometridae, Insect biology, Mortality, Operophtera brumata, Parasitic insects, Population, Tachinidae.

COMPARATIVE EFFECTS OF RESERPINE AND SEROTONIN CREATINE SULFATE ON OVIPOSITION IN THE HOUSE FLY.

S B Hays R L Hays I S Mims

Entomol Soc Amer Ann 63(3):662-664

May 1969 420 EN82

Insect behavior, Insect physiology, Musca domestica, Oviposition, Reserpine.

12464-69

THE POTENTIATION BETWEEN THANITE AND ARPROCARB IN THEIR ACTION ON HOUSEFLIES.

P.S. Hewlett

Ann Appl Biol 63(3):477-481

Jun 1969 442.8 AN72

Carbamates, Chemical control (insects), Insecticides, Isopropoxyphenyl N-methylcarbamate, 2-, Musca domestica, Potentiometry, Thanite, Thiocyanates.

12465-69

INSECT HORMONES: THEIR EFFECTS ON DIAPAUSE AND HYMENOPTERA. DEVELOPMENT

C Hsiao T H Hsiao

Life Sci 8(14,PT 11):767-774 REF

15 Jul 1969 442.8 L62

Ecdysone, Hormones, Insect physiology, Megachile rotundata, Nomia melanderi.

12466-69

EFFECTS OF TEMPERATURE ON DROSO-PHILA. IV. ADAPTATION OF D. IMMIGRANS.

Compar Biochem Physiol 24(2):327-333

Feb 1968 444.8 C73

Drosophila immigrans, Insect adaptation, Insect physiology, Temperature.

ON THE SPECIFICITY OF VAGOIAVIRUS MELOLONTHAE. (FR)

B Hurpin P Robert

Entomophaga 12(2):175-180

1967 421 EN835

diseases, Melolontha melolontha. Scarabaeidae, Vagoiavirus mclolonthae. English abstract.

APPLICATION OF OVITRAPS IN THE U. S. AEDES AEGYPTI ERADICATION PROGRAM. W L Jakob G A Bevier

Mosquito News 29(1):55-62

Mar 1969 421 M85

Aedes aegypti, Eggs, Insect collecting equipment, Insect traps, Methodology, Surveys.

12469-69

TOXICITY OF CERTAIN PYRETHROIDS AND CARBAMATES TO THE CS STRAIN OF ON-COPELTUS FASCIATUS.

L T Jao H T Gordon

J Econ Entornol 62(3):612-616 REF

16 Jun 1969 421 J822

Aging, Biological assay, Carbamates, Dosage, Insecticides, Mortality, Oncopeltus fasciatus, Pyrethrum.

12470-69

THE NESTING ACTIVITIES OF THE VESPOID POTTER WASP EUMENES CAMPANIFORMIS ESURIENS (FABR.) COMPARED WITH THE ECOLOGICALLY SIMILAR SPHECOID SCELIPHRON MADRASPATANUM (FABR.) (HYMENOPTERA).

S D Jayakar H Spurway

Bombay Natur Hist Soc J 64(2):307-338

Aug 1967 513 B63

Eumenidae, Insect behavior, Nesting habits, Scelionidae.

12471-69

ISOLATION OF N, N-DIETHYL-M-TOLUA-MIDE (DEET) FROM FEMALE PINK BOLL-WORM MOTHS.

W A Jones M Jacobson

Science 159(3810):99-100

05 Jan 1968 470 SC12

Deet, Insect biochemistry, Pectinophora gossypiella. Pheromones.

EXPERIMENTAL TRANSMISSION OF ENTEROBACTERIACEAE BY INSECTS, 1, FATE OF SALMONELLA FED TO THE HIDE BEETLE DERMESTES MACULATUS AND A NOVEL METHOD FOR MOUNTING INSECTS.

R M Julseth J K Felix W E Burkholder R H Deibel

Appl Microbiol 17(5):710-713

May 1969 448.3 AP5

Dermestes maculatus, Enterobacteriaceae, Insect mounting, Insect physiology, Insect preservation, Insect vectors, Salmonella.

12473-69

ELECTROPHORETIC STUDIES OF SERUM PROTEINS OBTAINED RADIOFREQUENCY-TREATED **FROM** YELLOW MEALWORM LARVAE.

A M Kadoum

J Econ Entornol 62(3):745-746

16 Jun 1969 421 J822

Blood proteins, Dairy equipment, Electromagnetic waves, Electrophoresis, Insect physiology, Larvae,

FATTY ACIDS IN BACILLUS LARVAE, BACIL-LUS LENTIMORBUS, AND BACILLUS POPIL-

T Kaneda

J Bacteriol 98(1):143-146, REF

Apr 1969 448.3 J82

Bacillus larvae, Bacillus lentimorbus, Bacillus popilliae, Chromatography, Fatty acids, Insect diseases.

12475-69

SHOT-HOLE BORER OF TEA PLANT IN JAPAN.

T Kaneko

Jarg 2(2):19-21

1967 \$19 13

Biological control (insects), Chemical control (insects), Chemosterilants, Fungi, Fungicides, Insect ecology, Parasitism, Plant injuries, Platypodidae, Reproduction, Symbiosis, Tea, Xyleborus

12476-69

STUDIES ON THE OLFACTORY STIMULI GUIDING THE BARK BEETLE BLASTOPHAGUS PINIPERDA L. (COLEOP-TERA, SCOLYTIDAE) TO ITS HOST TREE.

E Kangas V Perttunen H Oksanen Suomen Hyonteistieteellinen Aikakauskir Ann Entomol Fenn 33(3):181-211 REF

1967 421 SU7

Attractants, Blastophagus piniperda, Insect behavior, Insect physiology, Olfactory response, Phloem, Pinus, Scolytidae.

12477-69

LARVAL DEVELOPMENT OF AEDES AEGYP-TI (L.) IN USED AUTO TIRES.

J E Keirans

Mosquito News 29(1):43-46

Mar 1969 421 M85

Aedes aegypti, Containers, Habitats, Insect physiology, Larvae.

NEED FOR IMMEDIATE SUGAR AND ABILITY TO WITHSTAND THIRST BY NEWLY EMERGED ORIENTAL FRUIT FLIES, AND MEDITERRANEAN FRUIT FLIES UNTREATED OR SEXUALLY STERILIZED WITH GAMMA RADIATION

I Keiser E L Schneider

J Econ Entomol 62(3):539-540

16 Jun 1969 421 J822

Ceratitis capitata, Dacus dorsalis, Gamma rays, Insect nutrition, Sterility, Sugar, Water.

LONGEVITY, RESISTANCE TO DEPRIVATION OF FOOD AND WATER, AND SUSCEPTIBILITY TO MALATHION AND DDT OF ORIENTAL FRUIT FLIES, MELON FLIES, AND MEDITERANEAN FRUIT FLIES SEXUALLY STERILIZED WITH TEPA OR RADIATION.

I Keiser E L Schneider

J Econ Entomol 62(3):663-667

16 Jun 1969 421 J822

Ceratitis capitata, Chemical control (insects), Chlorinated hydrocarbons, Cobalt isotopes, Dacus cucurbitac, Dacus dorsalis, DDT, Experimental insects, Fruit, Gamma rays, Insect nutrition, Insect pests, Insecticide resistant insects, Longevity, Malathion, Organophosphorus compounds, Sterility, Tepa, Water.

DDT-DEHYDROCHLORINASE AND ALDRIN-EPOXIDASE ACTIVITY IN CORN EARWORM AND POLYPHEMUS MOTH LARVAE, AND HOUSE FLY ADULTS.

M A Q Khan

J Econ Entomol 62(3):723-725 REF

16 Jun 1969 421 J822

Aldrin, Antheraea polyphemus, Chlorinated hydrocarbons, Dichloro-2,2-bis(p-chlorophenyl) ethylene, 1,1-, Dieldrin, DDT-DEHYDROCHLORINASE, Enzymes, Heliothis zea, Insect biochemistry, Insecticides, Metabolites, Musca domestica, Oxidases.

12481-69

FORMULATION OF A SEMISYNTHETIC NUTRIENT MEDIUM AND METHODS OF FEEDING OF LARVAE OF AGROTIS SEGETUM ON IT. (RUS)

E D Khlistovsky N V Uspenskaya Zool Zhur 48(4):599-604

Apr 1969 410 R92

Agrotis segetum, Diet, Insect nutrition, Insect rearing, Larvae. English abstract.

LABORATORY STUDIES OF THE MATING HABITS OF THE FACE FLY.

R A Killough E S McClellan J Econ Entomol 62(3):551-555

16 Jun 1969 421 J822

Chemosterilants, Insect behavior, Musca autumnalis, Sex behavior, Sterility, Tepa. 8:1 ratio of sterilized to untreated males reduced pupal production 94 percent.

ACCESSORY NUCLEI AND ANNULATE LAMELLAE IN HYMENOPTERAN OOCYTES.

P E King J G Richards

Nature 218(5140):488 REF 04 May 1968 472 N21

Cell nucleus, Hymenoptera, Ichneumonidae, Insect histology, Insect morphology, Nasonia vitripennis.

ECOLOGICAL AND BIOLOGICAL DATA ON SYNOPSYLLUS FONQUERNIEI WAGNER AND ROUBAUD, 1932 (SIPHONAPTERA), A FLEA OF THE DOMESTIC RAT IN THE REGION OF TANANARIVE. (FR)

J M Klein

Entomol Med Cahiers 4(8):3-29 REF

1966 SB931.A1O3

Helminths, Insect biology, Insect ecology, Medical entomology, Parasitism, Rats, Siphonaptera, Xenopsylla cheopis, Zoogeography.

12485-69

STONES, CEMENT AND GUARDS IN HALIC-TINE NEST ARCHITECTURE AND DEFENSE. G. Knerer

Entomol News (philadelphia) 80(6):141-147

Jun 1969 421 EN88 Halictidae, Insect behavior, Insect nests, Insect protective devices, Population.

A SCORPION ATTACKING A PYGMY MOUSE. (GE00)

D Kock

Natur Mus 99(3):107-112 REF

Mar 1969 509 F856

Insect behavior, Mice, Scorpionida.

ON THE EFFECT OF MATING AND NUTRITION ON THE REPRODUCTION OF CULEX PIPIENS FATIGANS WIEDEMANN.

F Kuhlow R Garms

Entomol Med Cahiers (3/4):91-96

Mar 1965 SB931.A1O3

Culex pipiens quinquefasciatus, Fertility, Insect behavior, Insect feeding, Insect nutrition, Medical entomology, Reproduction, Sex.

12488-69

OBSERVATIONS ON THE BIOLOGY OF MESIDIA NIGRA, A PARASITE OF IZIPHYA PUNCTATA.

C F Lagace

Entomol Soc Amer Ann 63(3):532-536 MAP May 1969 420 EN82

Aphididae, Insect biology, Iziphya, Mesidia nigra, Parasitic insects.

THE PERITROPHIC MEMBRANES ARTHROPODS, THEIR ROLE IN DIGESTION AND THEIR INTERVENTION IN THE AND THEIR INTERVENTION IN THE DEVELOPMENT OF PARASITIC ORGANISMS. (FR)

R Le Berre

Entomol Med Cahiers 5(3):147-204 REF

1967 SB931.A1O3

Arthropoda, Insect metabolism, Medical entomology, Parasitism, Peritrophic membrane, Secretion. English summary

PURIFICATION OF THE MALE FACTOR IN-CREASING EGG MELANOGASTER. DEPOSITION IN

M G. Leahy M L Lowe Life Sci 6(2,PT 2):151-156 15 Jan 1967 442.8 L62

Chromatography, Drosophila melanogaster, Insect biochemistry, Ovulation, Secretion, Sex.

OUTLINE LIFE HISTORIES OF SOME WEST AFRICAN LEPIDOPTERA. PART II LIMACODIDAE.

B J MacNulty

S London Entomol Natur Hist Soc Proc Trans 7(6,PT 1):1-12

Mar 1967 420 SO8

Insect biology, Limacodidae.

OBSERVATIONS ON CERTAIN DRAGONFLIES (ODONATA) IN CENTRAL SCOTLAND. P S Maitland

Glasgow Natur 18(9):479-476 REF

Dec 1967 472 G46

Habitats, Insect behavior, Odonata, Surveys.

EFFECT OF INSECTICIDAL SPRAYS ON THE LONGEVITY AND FECUNDITY OF EUBLEMMA AMABILIS MOORE AND HOLCOCERA PULVEREA MEYR.

N Majumdar A Bhattacharya

Indian J Entomol 30(3):239-240

Sep 1968 420 IN23

Aldrin, Chlorinated hydrocarbons, Dieldrin, Eublemma amabilis, Fertility, Holcocera pulverea, Insecticides, Longevity, Toxicology.

12494-69

INTERCURRENT RESTING, A NEGLECTED ASPECT OF MOSQUITO BEHAVIOR. (AB-STRACT).

P F Mattingly

Entomol Med Cahiers (3/4):187

Mar 1965 SB931.A103

Culex pipiens quinquefasciatus, Hibernation, Insect behavior, Insect eggs, Medical entomology. Full text will be published in Bulletin of the World Health Organization.

CHEMICAL ANALYSIS OF THE SCENT FLUID OF LEPTOGLOSSUS CLYPEATUS.

Brother C S C McCullough Ned Entomol 63(3):673-674

May 1969 420 N82 Chemical analysis, Coreidae, Insect biochemistry, Scent glands.

NOTES ON THE BIOLOGY OF CULEX TERRITANS WALKER.

S B McIver

Mosquito News 29(1):135-136

Mar 1969 421 M85

Culex, Insect behavior, Insect biology, Oviposition.

AN AEDES VEXANS GYNANDROMORPH.

K. L. Minson

Mosquito News 29(1):135

Mar 1969 421 M85

Aedes vexans, Gynandromorphism, morphology.

12498-69

THE EXPLOITATION AND CONSERVATION OF RESOURCES BY POPULATIONS OF IN-SECTS.

J Monro

J Anim Ecol 36(3):531-547 MAP REF

Oct 1967 410 J826

Dacus tryoni, Food habits, Insect behavior, Oviposition, Population, Reproduction.

12499-69

OINOPHILA V-FLAVA HAW. IN A DIS (LEP. TISCHERIDAE) DISTILLERY WAREHOUSE.

B Morrison

S London Entomol Natur Hist Soc Proc Trans 7(6,PT 1):23

Mar 1967 420 SO8

Insect biology, Tischeriidae, Warehouses.

X-RAY RADIATION EFFECTS ON SURVIVAL AND STERILITY OF ADULTS OF THE CEREAL LEAF BEETLE.

W C Myser W E Carey

J Econ Entomol 62(3):543-550 REF

16 Jun 1969 421 J822

Imagos, Insect eggs, Mortality, Oulema melanopus, Reproduction, Sterility, X-rays.

INITIAL STUDIES ON THE EXTRACTION OF THE ACTIVE SUBSTANCE INDUCING MONOCOITIC BEHAVIOR IN HOUSE FLIES, BLACK BOW FLIES, AND SCREW-WORM FLIES.

D R Nelson T S Adams J G Pomonis J Econ Entomol 62(3):634-639 REF

16 Jun 1969 421 J822

Aedes aegypti, Animal extracts, Biological assay, Chemistry, Cochliomyia hominivorax, Diptera, Insect behavior, Musca domestica, Phormia regina, Sex behavior.

12502-69

H Nilbert

THE CAUSES OF SEXUAL DIFFERENCES IN THE SIZE OF APHELINUS ASYCHIS WALKER (HYM., APHELINIDAE). (GE)

Z Parasitenk 32(3):220-236 REF

16 Jun 1969 442.8 Z33F

Aphelinus, Aphididae, Insect nutrition, Insect physiology, Parasitic insects. English abstract.

ECOLOGY OF THE MOSQUITOES IN ARTIFI-CIALLY IRRIGATED SOUTHERN MORAVIA. MEADOWS

D Novak

Entomol Med Cahiers (3/4):35-38

Mar 1965 SB931.A1O3

Culicidae, Insect ecology, Irrigation, Medical entomology, Vegetation.

GROWTH, LONGEVITY, AND THE FREQUEN-CY OF FEEDING OF GLOSSINA PALLIDIPES AUSTEN.

T R Odhiambo

Parasitology 58(4):801-817 REF

Nov 1968 448.8 P21

Feeding, Food habits, Glossina pallidipes, Hyalomma, Insect behavior, Insect physiology, Ixodidae, Longevity, Statistical analysis, Temperature.

12505-69

RESPONSES OF SPOTTED CUTWORM LAR-VAE TO VARIOUS IN WAVELENGTHS OF LIGHT. INTESITIES AND

D C Olson R W Rings

Entomol Soc Amer Ann 62(5):941-944

15 Sep 1969 420 EN82

Insect behavior, Larvae, Light, Noctuidae, Phototropism.

12506-69

PARASITISM ASSOCIATED WITH BRACHYP-TEROUS MALES IN THE SUGARCANE LEAF-HOPPER, PERKINSIELLA VITIENSIS.

A W Osborn

Ned Entomol 63(3):669-670

May 1969 420 N82

Insect physiology, Parasitic insects, Perkinsiella saccharicida, Stylopidae.

12507-69

METEPA AS A CHEMOSTERILANT FOR ADULT FEMALE PINK BOLLWORMS.

M T Ouye R D Garcia A A Guerra M J Lukefahr J Econ Entomol 62(3):650-652

16 Jun 1969 421 J822

Chemosterilants, Fertility, Imagos, Insect behavior, Longevity, Metepa, Pectinophora gossypiella, Reproduction, Sex behavior, Sterility.

12508-69

NOTES ON THE BIOLOGY OF ANOPHELES HARGREAVESI (EVANS), 1927, AND ANOPHELES PALUDIS THEOBALD, 1900, IN THE SOUTH OF YAOUNDE (CAMEROON), ALONG THE NYONG RIVER. (FR)

F X Pajot L G Segers

Entomol Med Cahiers (2):3-15 MAP REF

Oct 1964 SB931.A1O3

Anopheles, Human diseases, Insect biology, Insect populations, Insect vectors, Malaria, Medical entomology, Zoogeography. English summary.

12509-69

PRACTICAL IMPLICATIONS OF INSECTI-CIDE RESISTANCE IN CULICINE MOSQUITOES.

R Pal

Entomol Med Cahiers (3/4):119-126 MAP REF Mar 1965 SB931.A1O3

Aedes, Chemical control (insects), Chlorinated hydrocarbons, Culex, Insect vectors, Insecticide resistant insects, Medical entomology, ganophosphorus compounds, Phenoxy acid compounds, Zoogeography.

The insects were resistant to the following insecticides: ddt, dieldrin, lindane, malathion, dipterex, and toxaphene.

A LABORATORY REARING OF PARASCOTIA FULIGINARIA L. (LEP., NOCTUIDAE). (GE00) F Peking

Entomol Z 79(15):171

01 Aug 1967 421 EN85

Insect rearing, Noctuidae.

ATROPHY AND DEVELOPMENTAL ABNOR-MALITY IN INSECTS EXPOSED TO DODECYL ALCOHOL.

R J Pence M S Viray

J Econ Entomol 62(3):622-629 REF

16 Jun 1969 421 J822

Dodecyl alcohol, Experimental insects, Insect abnormalities, Insect pests, Insect physiology.

12512-69

CHEMICAL FACTORS OF WATER IN TREE HOLES AND MOSQUITOES. AND RELATED BREEDING OF

J J Petersen H C Chapman

Mosquito News 29(1):29-36 REF

Mar 1969 421 M85

Environment, Ficalbia, Habitats, Insect physiology, Insect rearing, Minerals, Trees, Water.

12513-69

DNA SYNTHESIS IN THE GAINT SALIVARY CHROMOSOMES OF DROSOPHILA VIRILIS PROIR TO PUPATION.

B J Pettit R W Rasch E M Rasch J Exp Med 69(3):273-280 REF Jun 1967 448.8 J822

Chromosomes, Deoxyribonucleic acid, Drosophila virilis, Insect biochemistry, Larvae, Salivary glands (insects).

12514-69

ORGANOPHOSPHORUS COMPOUNDS. VI. - STRUCTURE AND ACTIVITY OF CERTAIN 4-(DIETHOXYPHOSPHINOTHIOYLT HIOMETHYL)4H-1,3,4-OXADIAZOLINE-5-THIONES, OF CERTAIN 4-DIETHOXYPHOS-PHINOTHIOYLTHIOMETHYL-THIAZOLES, AND RELATED COMPOUNDS.

M Pianka

J Sci Food Agr 19(8):475-480 REF

Aug 1968 382 SO12

Aphis fabae, Chemical reactions, Insecticides, Musca domestica, Organophosphorus compounds, Plutella maculipennis, Spectroscopy, Tables (data), Tetranychus telarius, Thiazole compounds.

HOUSE FLY RESPONSE TO FLUORESCENT LAMPS: INFLUENCED BY FLY AGE AND NUTRITION, AIR TEMPERATURE, AND POSITION OF LAMPS.

L G Pickens N O Morgan R W Thim Ijan J Econ Entomol 62(3):536-539 REF 16 Jun 1969 421 J822

Aging, Attractants, Fluorescent lamps, Insect nutrition, Light traps, Musca domestica, Temperature.

INSECT NEUROMETAMORPHIS. IV. EFFECTS OF THE BRAIN AND SYNTHETIC ALPHA-EC-DYSONE UPON INTERGANGLIONIC CON-NECTIVE SHORTENING IN GALLERIA MEL-LONELLA (L.) (LEPIDOPTERA).

R L Pipa

J Exp Zool 170(2):181-192 REF

Feb 1969 410 J825

Brain, Ecdysone, Galleria mellonella, Hormoncs, Insect biochemistry, Metamorphosis, Nerves, Pu-

12517-69

COMPARATIVE RESISTANCE TO SEDIMEN-TATION OF THREE DIFFERENT STRAINS OF SIGMA VIRUS OF DROSOPHILA.

N Plus

Arch Gesamte Virusforsch 25(3-4):352-358 REF Dec 1968 448.3 AR23

Drosophila, Insect diseases, Temperature, Viruses.

LABORATORY REARING OF THE SPINACH LEAF MINER PEGOMYIA HYOSCYAMI PANZ.

Acta Ent Bohemoslov 59(1):9-11

1962 420 C33

Insect nutrition, Insect physiology, Insect rearing, Pegomya hyoscyami, Phytophagous insects, Sugar beets. Czcch summary.

A NOTE ON VANESSA KERSHAWI (MCCOY) IN AUCKLAND. PRESENTING EVIDENCE OF AN UNUSUAL HOST PLANT.

F D Pritchard

New Zeal Entomol 4(2):11-12

Apr 1969 421 N48

Food habits, Insect biology, Nymphalidae, Vanessa.

12520-69

MATERNAL AGE AS AN ECOLOGICAL FACTOR IN THE POPULATION DYNAMICS OF THE EUROPEAN CORN BORER, OSTRINIA NUBILALIS.

R S Raros H C Chiang Entomol Exp Appl 12(1):74-80 1969 421 EN895

Aging, Insect ecology, Insect eggs, Ostrinia nubilalis, Population.

STUDIES ON NEPHUS REGULARIS (COLEOP-TERA: COCCINELLIDAE) AS A PREDATOR OF THE STRIPED MEALYBUG IN MADHYA PRADESH (INDIA).

R R Rawat B N Modi

Entomol Soc Amer Ann 62(5):953-956

15 Sep 1969 420 EN82

Coccinellidae, Insect biology, Predaceous insects, Pseudococcidae.

12522-69

A COMPARATIVE STUDY ON THE FINE STRUCTURE OF THE BASALAR MUSCLE OF THE WING AND THE TIBIAL EXTENSOR MUSCLE OF THE LEG OF THE LEPIDOPTERAN ACHALARUS LYCIADES.

J F Reger D P Cooper

J Cell Biol 33(3):531-542 REF

Jun 1967 442.8 J828

Achalarus lyciades, Cytology, Electron microscopy, Hesperiidae, Muscles, Sarcosomes.

12523-69

OBSERVATIONS ON PREDATION BY THE WASP ANOPLIUS ITHACA (POMPILIDAE) ON THE WOLF SPIDER, DARDOSA GROENLAN-DICA (LYCOSIDAE).

D Richards

Entomol News (philadelphia) 80(6):149-157

Jun 1969 421 EN88

Anoplius, Insect behavior, Pardosa, Predaceous insects.

12524-69

PROTEOLYTIC ENZYMES IN THE SALIVARY GLAND OF CHIRONOMUS TENTANS.

A E Rodems P A Hendrikson U Clever Experientia 25(7):686-687 REF

15 Jul 1969 475 EX7

Chironomus tentans, Insect biochemistry, Insect physiology, Proteinases, Salivary glands (insects).

ON A NEW SPECIES OF AGAMERMIS (MER-MITHIDAE) OF A BUG IN POLAND.

I A Rubzcy

Acta Parasitol Polon 16(1-19):97-100

15 Feb 1969 436.8 AC8

Biological control (insects), Insect diseases, Larvae, Mermithidae.

EYES OF THE FEMALE TWO-SPOTTED SPIDER MITE, TETRANYCHUS URTICUE. III DEHAVIORAL ANALYSIS OF TORECEPTORS. THE PHO-

W D Enroe K Dronka

Entomol Soc Amer Ann 62(3):466-469

May 1969 420 EN82

Eyes, Insect behavior, Tetranychus urticae.

On the basis of behavioral analysis the following functions are assigned to the eyes of adult female Tetranychus urticae (Koch). The scanning anterior eyes have receptors for both the near ultraviolet and green spectral regions. The posterior eyes have a receptor for the near untraviolet spectral region. A logic, based on behavior responses, is postulated for the interaction of the receptors.

EFFICACY OF MALATHION ON WHEAT GRAINS AGAINST TROGODERMA GRANARI-UM EVERTS AT CONSTANT TEMPERA-TURES.

M L Saini J S Sarai

Bull Grain Technol 6(1):5-10

Mar 1968 TS2120.B8

Dosage, Grain, Insect pests, Malathion, Organophosphorus cor Trogoderma granarium. compounds, Temperature,

12528-69

INHIBITION OF OVARY DEVELOPMENT OF FRUIT-FLY, DROSOPHILA THE

MELANOGASTER BY SYNTHETIC QUEEN SUBSTANCE.

A Sannasi

Life Sci 8(14,PT 11):785-789

15 Jul 1969 442.8 L62

Drosophila melanogaster, Hormones, Insect physiology, Oogenesis, Ovaries, Pheromones.

12529-69

RELATIONSHIP OF SIZE OF FECAL PELLETS TO LARVAL MOLTS IN LEPIDOPTERA.

J.B. Sardesai

Entomol Soc Amer Ann 63(3):662

May 1969 420 EN82

Feces, Insect physiology, Larvae, Lepidoptera, Molting (insects).

ICONOGRAPHY OF THE EGGS OF THE LEPIDOTERA FAUNA OF BELGIUM. (FR)

L.G. Sarlet

Lambillionea 66(9/10):77-80

05 Sep 1967 420 N15

Insect biology, Insect eggs, Lepidoptera, Zoogeography. Continuation and to be continued.

TRYPTOPHAN IS NOT ASSIMILATED IN BREATHING BY INSECTS. (GE

W Schartau B Linzen

Naturwissenschaften 56(6):329

Jun 1969 474 N213

Carbon dioxide, Carbon-14, Insect biochemistry, Insect respiration, Radioactive tracers, Tryptophan.

12532-69

ANATOMICAL AND HISTOLOGICAL CHANGES IN INTERNAL ORGANS OF ADULT TRYPODENDRON LINEATUM. GNATHOTRICHUS RETUSUS AND G. SUL-CATUS (COLEOPTERA: SCOLYTIDAE).

I Schneider J A Rudinsky

Entomol Soc Amer Ann 62(5):995-1003

15 Sep 1969 420 EN82

Digestion, Fat body, Histology, Insect anatomy, Malpighian tubes, Reproductive organs, Salivary glands, Scolytidae.

12533-69

COMPOUNDS RELATED TO JUVENILE HOR-MONE, III.

M Schwarz B H Braun M W Law P E Sonnet

Wakabayashi

Ned Entomol 63(3):668-669

May 1969 420 N82

Biological assay, Chemical structure, Hormones, Juvenile hormone, Tenebrio molitor.

AN APPRAISAL OF ADULT MOSQUITO TRAPPING TECHNIQUES USED IN NIGERIA, WEST AFRICA.

M W Service J P T Boorman

Entomol Med Cahiers (3/4):27-33 REF

Mar 1965 SB931.A1O3

Baits, Culicidae, Insect collecting equipment, Insect traps, Insect vectors, Malaria, Medical entomology, Methodology.

12535-69

HISTOPATHOLOGICAL AND DEVELOPMENTAL EFFECTS OF THE CHEMOSTERILANT APHOLATE, ON THE MOSQUITO AEDES AE-GYPTI.

V P Sharma K S Rai

Mosquito News 29(1):9-14 REF

Mar 1969 421 M85

Aedes aegypti, Apholate, Chemosterilants, Insect histology, Insect physiology, Toxicology.

A DEVICE FOR PROTECTING EXPERIMEN-TAL HUTS FROM MOLESTATION. S L Shrestha A M Rao B T Whitworth

Mosquito News 29(1):133-134

Mar 1969 421 M85

Insect traps, Methodology, Monkeys, Pest control, Surveys

12537-69

STUDIES ON THE ALIMENTARY CANAL OF ODOIPORUS LONGICOLLIS. I. MORPHOLO-GY.

G S Shukla K Kumar

Entomol Soc Amer Ann 63(3):664-665

May 1969 420 EN82

Curculionidae, Gastrointestinal system, Insect morphology.

BLOOD MEALS AND EGG PRODUCTION OF CULISETA ALASKAENSIS (LUDLOW) IN CAP-TIVITY (DIPTERA: CULICIDAE).

K M Sommerman

Mosquito News 29(1):65-69

Mar 1969 421 M85

Blood meal, Culiseta, Insect rearing, Oogenesis.

12539-69

COMPOUNDS RELATED TO JUVENILE HOR-MONE, IL.

P E Sonnet B H Braun M W Law M Schuarz N Wakabayashi

Ned Entomol 63(3):667-668 REF

May 1969 420 N82

Biological assay, Chemical structure, Hormones, Juvenile hormone. Tenebrio molitor.

12540-69

STEMPELLIA SCOLYTI (WEISER) COMB. NOV. AND NOSEMA SCOLYTI SP. N. MICROSPORIDAN PARASITES OF FOUR SPE-CIES OF SCOLYTUS (COLEOPTERA).

Amer J Epidemiol 6(1-11):69-77

1969 449.8 AM3

Biological control (insects), Fungus diseases (plants), Insect diseases, Insect vectors, Nosema, Parasitism, Protozoa, Scol Zoogeography. Polish summary. Scolytus, Stempellia,

DEFORMATION OF PUPARIA OF THE HOUSEFLY (MUSCA DOMESTICA L.) ON TREATMENT WITH ORGANOPHOSPHORUS INSECTISIDES. (POL)

B Styczynska A A Krzminska

Warsaw Panstw Zakl Hig Rocz 18(3):337-343 1967 449 9 W26

Dichlorvos, Insect abnormalities, Insect morphology, Insecticides, Malathion, Musca domestica, Organophosphorus compounds, Pupal Trichlorfon, English and Russian summaries. compounds, Pupal cases,

BIONOMICS OF CARPOPHILUS FOVEICOL-LIS MURR. IN PINEAPPLE.

K M Tan Y C Wee W S Chong Malaysian Agr J 47(1):4-13

Jan 1969 22.5 F312

Carpophilus, Food habits, Insect biology, Insect ecology, Nitidulidae, Pineapples, Sex behavior.

OVIPOSITION TRAPS AND POPULATION SAMPLING FOR THE DISTRIBUTION OF AEDES AEGYPTI (L.).

G D Tanner Mosquito News 29(1):116-121 MAP

Mar 1969 421 M85

Aedes aegypti, Ficalbia, Insect traps, Oviposition, Population, Seasonal variation.

12544-69

CONTRIBUTION TO THE STUDY OF ECTOPARASITES OF VERTEBRATES IN THE CENTRAL AFRICAN REPUBLIC. (FR) R Taufflieb A Chippaux A Rickenbach

Entomol Med Cahiers 5(2):115-125 MAP

1967 SB931.A1O3

Ectoparasites, Insectivores, Medical entomology, Mesostigmata, Trombiculidae, Vertebrates. English summary.

12545-69

CONTROL OF ACARIDS WITH TRIPHENYL TIN COMPOUNDS. PATENT 3,445,575.

LL. Taylor

Us Patent Office Offic Gaz 862(3):890

20 May 1969 156.65 OF2

Acaridae, Insect control, Insecticides, Patents, Tetranychidae, Triphenyl tin compounds.

AMPHIBOLUS VENATOR (KLUG) (HEMIP-TERA-HETEROPTERA)-A PREDATOR ON IN-SECT PESTS OF STORED PRODUCTS.

V B Tembe V V Surlikar

Bull Grain Technol 6(1):24-26

Mar 1968 TS2120.B8

Biological control (insects), Insect pests, Predaceous insects, Stored products, Tribolium, Trogoderma granarium.

12547-69

INFLUENCE OF TEMPERATURE AND DIET ON ATTAINMENT OF FIRM DIAPAUSE IN THE BOLL WEEVIL.

F C Tingle E P Lloyd

J Econ Entomol 62(3):596-599

16 Jun 1969 421 1822

Anthonomus grandis, Fats, Food moisture, Insect nutrition, Insect physiology, Temperature.

12548-69

SEX PHEROMONE OF THE ERI-SILKWORM MOTH, PHILOSAMIA CYNTHIA RICH DONOVAN (LEPIDOPTERA: STAURNIIDAE).

I Tomida S Ishii

Appl Entomol Zool 3(3):103-106

Sep 1968 SB599.A6

Alcohols, Biological assay, Carbonyl group, Extracts, Insect physiology, Pheromones, Samia

12549-69

PARASITES MOSQUITOES SOUTHWESTERN WYOMING AND NORTHERN UTAH.

Y H Tsai A W Grundmann D M Rees Mosquito News 29(1):102-110 Mar 1969 421 M85

Ficalbia, Insect diseases, Parasitism, Surveys.

STUDY OF THE MORPHOLOGICAL AND ANATOMICAL CHARACTERISTICS OF FEMALE GLOSSINA AND THEIR RELATIONSHIP TO PHYSIOLOGICAL AGE. (FR)

G Vattier

Entomol Med Cahiers (2):21-53

Oct 1964 SB931.A1O3

Glossina, Insect anatomy, Insect morphology, Medical entomology, Reproduction. English sum-

12551-69

LIPIDS IN THE HAEMOLYMPH OF THE CRICKET, ACHETA DOMESTICUS.

C M Wang R L Patton

J Insect Physiol 15(5):851-860 REF May 1969 421 J825

Acheta domesticus, Cholesterol, Fatty acids, Hemolymph, Insect biochemistry, Lipids, Sterols.

The total lipid content of cricket haemolymph ranges from 1.5 per cent in the mature larvae to 2.7 per cent in young adults. Cholesterol is the principal sterol. Phosphatidyl ethanolamine is the most abundant of the phospholipids. Fatty acids with carbon chains from C-12 to C-20 were identified with palmitic acid predominating. Esterified sterols were not detected in the hemolymph and probably play no significant role in the transport.

12552-69

HOW PHYSIOLOGICAL CHANGES IN THE SPRING RAPE INFLUENCE THE DISTRIBUTION DENSITY OF THE CABBAGE APHID (BREVICORYNE BRASSICAE L.). (GE00) L Weissmann M Baran

Biologia (bratislava) 24(5):375-383 REF

ENTOMOLOGY

12553-69

1969 442 8 B5265

Brevicoryne brassicae, Food habits, Insect behavior, Population, Rape. Russian abstract

12553-69

OBSERVATIONS ON RHYPODES CHIWAI US-INGER (HEMIPTERA: LYGAEIDAE).

E G White

New Zeal Entornol 4(2):21-22

Apr 1969 421 N48

Eggs, Insect biology, Lygacidac, Mites, Mortality, Parasitic insects.

PHOTOPERIODISM IN RELATION DEVELOPMENT AND REPRODUCTION IN THE GREEN STINK BUG.

G E Wilde

J Econ Entomol 62(3):629-630 REF

16 Jun 1969 421 J822

Acrosternum hilare, Fertility, Insect eggs, Insect physiology, Photoperiodism, Reproduction.

12555-69

COMPETITION AND SURVIVAL AMONG THE CORN EARWORM, THE TOBACCO BUDWORM, AND THE FALL ARMYWORM.

B R Wiseman W W McMillan

J Econ Entomol 62(3):734-735

421 J822

Corn, Heliothis virescens, Heliothis zea, Inscct pests, Larvae, Mortality, Plant injuries, Spodoptera frugiperda.

12556-69

FEEDING RESPONSE OF LARVAE OF THE CORN EARWORM (LEPIDOPTERA: TUIDAE) TO WATER EXTRACTS OF 16 HOST PLANTS.

B R Wiseman W W McMillian Rl Burton

Ga Entomol Soc J 4(1):15-22

Jan 1969 QL461.G4

Feed, Heliothis zea, Insect behavior, Plant extracts, Stimulants, Tomatoes. 16 host plants were used.

12557-69

THE POLLINATING ACTIVITIES OF BUMBLE BEES AND HONEYBEES IN RELATION TO TEMPERATURE, COMPETING FORAGE PLANTS, AND COMPETITION FROM OTHER FORAGERS.

E C Wratt

J Apicult Res 7(2):61-66

1968 424.8 J82

Alfalfa, Apis mellifcra, Bombus, Forage plants, Insect behavior, Insect pollinators, Red clover, Tem-

12558-69

AND ABSORPTION METABOLISM OF **BLOOD-SUCKING** FENTHION IN ARTHROPODS.

S Y Young R S Berger

J Econ Entomol 62(3):727-728

16 Jun 1969 421 J822

Absorption, Animal extracts, Cimex lectularius, Excreta, Fenthion, Insect metabolism, Insecticides, Metabolites, Organophosphorus compounds, Radioactive tracers, Stomoxys calcitrans, Sulfur isotopes.

12559-69

LIPIDS OF THE MUTANT MOSQUITO, AEDES AEGYPTI (L.). BRONZE

W J Yurkicwicz S C Bhalla

Entomol News (philadelphia) 80(7):177-184 REF Jul 1969 421 EN88

Aedes aegypti, Hatching, Insect biochemistry, Insect genetics, Lipids.

GENETICS

12560-69

DISRUPTIVE SELECTION FOR STER-NOPLEURAL BRISTLE NUMBER IN DROSO-PHILA MELANOGASTER.

JSF Barker LJ Cummins

BIBLIOGRAPHY

Genet Soc Amer Rec 61(3):697-712 REF Mar 1969 442.9 G28

Drosophila mclanogaster, Insect genetics, Insect morphology, Population.

THE EFFECT OF SELECTION FOR STER-NOPLEURAL BRISTLE NUMBER ON MATING BEHAVIOR DROSOPHILA MELANOGASTER.

J S F Barker L C Cummins

Genet Soc Amer Rec 61(3):713-719

Mar 1969 442.9 G28

Drosophila mclanogaster, Insect behavior, Insect genetics, Insect morphology.

PARALLEL POLYMORPHISMS IN DIFFERENT SPECIES OF HAWAIIAN DROSOPHILA.

H L Carson

Amer Natur 103(932 JUL-AUG):323-329 MAP Aug 1969 470 AM36

Drosophila, Insect evolution, Insect genetics, Polymorphism.

12563-69

RESISTANCE TO DIELDRIN OF CULEX PIPIENS FATIGANS IN THE CITY OF BOBODIOULASSO (UPPER VOLTA). METHODS OF STUDY AND GENETIC DETERMINISM.

J Hamon S Sales R Subra

Entomol Med Cahiers 5(4):229-261 REF

1967 SB931.A1O3

Chlorinated hydrocarbons, Culex, Dieldrin, Insect genetics, Insecticide resistant insects, Medical entomology. English summary.

12564-69

A DEVIANT SEX RATIO IN DROSOPHILA MELANOGASTER.

G D Hanks

Genet Soc Amer Rec 61(3):595-605 REF Mar 1969 442.9 G28

Drosophila melanogaster, Insect mutation, Mutation, Population.

12565-69

TEMPERATURE INDUCTION OF PHENODEVI-ANTS IN DROSOPHILA MELANOGASTER MU-TANTS.

H F Hoenigsberg

J Genet 60(1):1-9 REF

Dec 1968 442.8 J823

Drosophila melanogaster, Insect genetics, Insect mutation, Polymorphism, Temperature.

INCOMPATIBILITY TESTS IN THE CULEX PIPIENS COMPLEX. PART I. AFRICAN PIPIENS COMPLEX. PART I. AFR STRAINS. PART II. EGYPTIAN STRAINS.

H Laven

Mosquito News 29(1):70-83 MAP

Mar 1969 421 M85

Culex pipiens, Insect behavior, Insect genetics, Insect taxonomy, Sterility.

TETRAPLOID FEMALES IN MORMONIELLA.

R M Macy P W Whiting

Genet Soc Amer Rec 61(3):619-630 REF Mar 1969 442.9 G28

Cytogenetics, Insect genetics, Meiosis, Nasonia.

THE CAUSES OF MALE STERILITY IN A. GAMBIAE A-B GROUP CROSSES. (AB-STRACT).

G F Mason

Entomol Med Cahiers (3/4):185-186

Mar 1965 SB931.A1O3

Anopheles gambiae, Chromosomes, Insect genetics, Medical entomology, Sterility. Full text will appear in Rivista di Malariologia . Chromosomes,

MONOFACTORIAL INHERITANCE OF AU-TOGENY IN AEDES ATROPALPUS.

G F O'Meara G B Craig Mosquito News 29(1):14-22 REF Mar 1969 421 M85

Aedes atropalpus, Autogeny, Genes, Insect genetics.

12570-69

DIRECT EVIDENCE FOR THE SPECIFIC DISTINCTNESS OF FORMS A, B AND C OF THE ANOPHELES GAMBIAE COMPLES. (ABSTRACT).

H E Paterson

Entomol Med Cahiers (3/4):179-180

Mar 1965 SB931.A1O3

Anopheles gambiae, Chromosomes, Insect genetics, Insect identification, Insect rearing, Medical entomology. A more detailed report will appear in Rivista di Malariologia.

12571-69

GENIC VARIATION IN A NATURAL POPULATION OF DROSOPHILA PERSIMILIS.

Nat Acad Sci Proc 62(3):778-784

Mar 1969 500 N21P

Drosophila persimilis, Electrophoresis, Genes, Insect genetics, Insect morphology, Population.

RED-ROSE LINKAGE IN THE GERMAN COCKROACH.

M H Ross D G Cochran

Entomol Soc Amer Ann 63(3):665-666

May 1969 420 EN82

Blattella germanica, Chromosomes, Eyes, Insect genetics, Insect mutation.

RARE PSEUDOALLELIC CROSSOVER BETWEEN TWO PHENOTYPICALLY IDENTI-CAL ALLELES AT A RESTRICTED SUBLOCUS OF DUMPY IN DROSOPHILA MELANOGASTER.

R Sederoff

Nature 216(5122):1348-1349

30 Dec 1967 472 N21

Alleles, Drosophila melanogaster, Insect genetics, Insect rearing.

12574-69

KARYOECOLOGY OF SIMULIDS (DIPTERA, SIMULIIDAE). GENOME STRUCTURE OF KARYOPOOL IN ODAGMIA ORNATA MG. WITH ACCESSORY CHROMOSOMES. (RUS)

E S Shcherbakov

Zool Zhur 48(4):559-566 REF

Apr 1969 410 R92

Chromosomes, Insect genetics, Population, Seasonal variation, Simuliidae. English abstract.

THE ECOLOGY OF SELECTION IN HYBRID POPULATIONS OF TRIBOLIUM CASTANEUM. R R Sokal F J Sonleitner

Ecol Monogr 38(4,AUTUMN):395-379 REF 1968 410 EC72

Insect ecology, Insect genetics, Insect rearing, Population, Tribolium castaneum.

EXPERIMENTS ON SELECTION DEVELOPMENTAL RATE IN DROSOPHILA MELANOGASTER.

P M A Tigerstedt

Suomalainen Tiedeakatemia Ann Ser A Iv Biol (148):3-58 REF 1969 442.9 H36

Development, Drosophila melanogaster, Insect genetics, Insect physiology, Insect rearing, Popula-

MEDICAL ENTOMOLOGY

12577-69

TRANSMISSION OF HAMOSPORIDIORIDA BY CAVE-DWELLING ANOPHELES IN THE GROTTOS OF THE CONGO. (FR) J P Adam

Entomol Med Cahiers (3/4):189-190

Mar 1965 SB931.A1O3

Anopheles, Bats, Disease transmission, Haemosporidia, Insect diseases, Parasitism, Plasmodium.

Extract from the report of a group project on the Plasmodia of rodents and bats carried out in 1962 and 1963 under the sponsorship of the World Health Organization.

12578-69

COWBONE RIDGE VIRUS, A NEW GROUP B ARBOVIRUS FROM SOUTH FLORIDA.

C H Calisher J Davie P H Coleman R D Lord T

Amer J Epidemiol 89(2):211-216 REF Feb 1969 449.8 AM3

Arboviruses, Rodents, Saint louis encephalitis virus, Virology, Virus diseases (animals).

ARBOVIRUS STUDIES IN SOUTH FLORIDA, WITH EMPHASIS ON VENEZUELAN EQUINE ENCEPHALOMYELITIS VIRUS.

W D S Chamberlain T H Work P H Coleman V F Newhouse J G Johnston W D Sudia Amer J Epidemiol 89(2):197-210 MAP REF Feb 1969 449.8 AM3

Arboviruses, Culicidae, Insect vectors, Rodents, Venezuelan equine encephalitis virus, Virology.

12580-69

ENTOMOLOGICAL STUDIES ON THE TRANSMISSION OF HUMAN MALARIA IN A DENSE, HUMID FOREST ZONE, SASSANDRA REGION, IVORY COAST. (FR)

J Coz J Hamon S Sales M Eyraud J Brengues R Subra

Entomol Med Cahiers 4(7):13-42 MAP REF Sep 1966 SB931.A1O3

Anopheles, Disease transmission, Human diseases, Insect vectors, Malaria, Medical entomology, Surveys, Zoogeography. English summary.

12581-69

EPIDEMIC ROLE OF TICKS OF THE GENERA DERMACENTOR AND IXODES PERSULCATUS P. SCH. IN MOUNTAIN FOCI OF TICK-BORNE ENCEPHALITIS DEPENDING UPON ACTIVITY OF THEIR ATTACKS ON MAN. (RUS)

N K Dmitrienko E T Prikhodko Med Parazitol Parazitarn Bolezni 37(5,SEP/OCT):588-591 1968 448.8 M469

Dermacentor, Encephalitis, Epidemiology, Human diseases, Insect behavior, Insect biology, Insect vectors, Ixodes persulcatus, Medical entomology. English summary.

PAHAYOKEE AND SHARK RIVER, TWO NEW ARBOVIRUSES RELATED TO PATOIS AND ZEGLA FROM THE FLORIDA EVERGLADES.

B N Fields B E Henderson P H Coleman T H

Amer J Epidemiol 89(2):222-226 REF Feb 1969 449.8 AM3

Arboviruses, Culicidae, Taxonomy, Virology.

12583-69

PROMISING CHEMICALS FOR CONTROL OF ADULT MOSQUITOES.

B M Glancey K F Baldwin C S Lofgren Mosquito News 29(1))36-38

Mar 1969 421 M85

Carbamates, Chemical control (insects), Ficalbia, Insect control, Insecticides, Organophosphorus compounds.

12584-69

NEW ECOLOGICAL DATA ON VECTORS OF HUMAN MALARIA IN AFRICA. (FR

J Hamon G Chaulet J Mouchet Entomol Med Cahiers (1):5-16 REF Dec 1963 SB931.A103

Anopheles, Anopheles funestus, Anopheles gambiae, Human diseases, Insect ecology, Insect vectors, Malaria, Medical entomology. English and Spanish summaries.

12585-69

GUMBO LIMBO, A NEW GROUP C ARBOVIRUS FROM THE FLORIDA EVER-GLADES.

B E Henderson C H Calisher P H Coleman B N Fields T H Work

Amer J Epidemiol 89(2):227-231 REF Feb 1969 449.8 AM3

Arboviruses, Culicidae, Mice, Virology. Many arboviruses from group C are discussed.

FACTORS AFFECTING THE TRANSMISSION OF FILARIAE: THE EFFECT OF PARASITIZA-TION BY BRUGIA MALAYI IN LABORATORY POPULATIONS OF AEDES AEGYPTI.

W W Macdonald

Entornol Med Cahiers (3/4):111-113 REF Mar 1965 SB931.A1O3

Aedes, Disease transmission, Filariasis, Insect vectors, Medical entomology, Nematode infestation,

EVALUATION OF MULTI-ENGINE AIRCRAFT IN THE ULV APPLICATION OF DIBROM. W C Machado A J Blake E S Bordes G T

Carmichael

Mosquito News 29(1):47-52

Mar 1969 421 M85

Aircraft, Insecticide application, Naled, Organophosphorus compounds, Ultra low volume applications.

TRANSMISSION OF BANCROFT FILARIASIS IN THE ETHIOPIAN REGION. (FR)

J Mouchet A Grjebine P Grenier

Entomol Med Cahiers (3/4):67-90 REF

Mar 1965 SB931.A1O3

Animal diseases, Anopheles funestus, Anopheles gambiae, Culex pipiens quinquefasciatus, Filariasis, Human diseases, Insect vectors, Mansonia, Parasitism. English summary

12589-69

CONTROL OF ADULT MOSQUITOES IN ALASKA WITH MALATHION.

G A Mount J G McWilliams C T Adams

Mosquito News 29(1):84-86

Mar 1969 421 M85

Chemical control (insects), Ficalbia, Insecticides, Malathion, Organophosphorus compounds.

INSECTICIDES EVALUATED NONTHERMAL AEROSOLS AGAINST AEDES TAENIORHYNCHUS (WIEDEMANN).

G A Mount N W Pierce C S Lofgren

Mosquito News 29(1):53-54

Mar 1969 421 M85

Aedes taeniorhynchus, Biological assay, Carbamates, Chemical control (insects), Insecticidal aerosols, Insecticides, Organophosphorus compounds.

CONTROL OF ORIENTAL RAT FLEA IN VIETNAM WITH DIAZINON DUST.

W P Olson

J Econ Entomol 62(3):656-660 MAP

16 Jun 1969 421 J822

Chemical control (insects), Chlorinated hydrocarbons, Costs, Diazinon, DDT, Insect vectors, Organophosphorus compounds, Plague, Rats, Xenopsylla cheopis.

12592-69

THE TRANSMISSION OF BANCROFT FILARIASIS (SUBPERIODIC FORM) IN THE ISLANDS OF THE SOUTH PACIFIC. (FR)

C Rageau

Entomol Med Cahiers (3/4):57-66 REF

Mar 1965 SB931.A1O3

Aedes, Aedes polynesiensis, Culicidae, Filariasis, Insect vectors, Parasitism. Several other species of Aedes are mentioned as vectors.

12593-69

THE ZYGOTOBLAST AND SPOROCYST IN-DICES IN THE VALLEY OF THE RUZIZI. (FR) 1 H Vincke

Entomol Med Cahiers (3/4):115-117

Mar 1965 SB931.A1O3

Anopheles, Insect physiology, Malaria, Medical entomology, Parasitism, Plasmodium.

CROP PROTECTION

12594-69

SOME BLACK MILDEW SOOTY MOLD AND FLY SPECK FUNGI AND THEIR HYPER-PARASITES FROM DOMINICA.

M I Farr

Can J Bot 47(3):369-381 MAP REF

Mar 1969 470 C16C

Ascomycetes, Deuteromycetes, Hyperparasitism, Mildew, Molds, Plant geography, Plant taxonomy. The report mentioned 46 fungi.

USE OF RADIOGRAPHY IN SEED AND GRAIN TECHNOLOGY.

A Singh S K Banerjee

Bull Grain Technol 6(2):96-101 REF

Jun 1968 TS2120.B8

Absorption, Grain, Insect control, Radiography, Seed viability, Seeds.

DISEASES

12596-69

BLACK TIPPED WHEAT KERNELS IN THE IN-DIGENOUSLY GROWN MEXICAN VARIETIES OF WHEAT.

N S Agrawal S P Duggal A S Yadav Bull Grain Technol 6(2):113-116 Jun 1968 TS2120.B8

Crop varieties, Fungus diseases (plants), Wheat.

OCCURRENCE OF GRAY LEAFSPOT ON PEP-PERS IN FLORIDA.

C H Blazquez

Plant Dis Rep 53(9):756

Sep 1969 1.9 P69P

Fungus diseases (plants), Leafspot, Peppers, Stemphylium solani.

WHITE ROOT DISEASE OF HEVEA IN AFRICA, ESPECIALLY IN THE IVORY COAST. J G Bouychou

RRIC Bull (N s)1(2,SEP-DEC):34-36

1966 SB290.A1R8

Chemical control (plant diseases), Cultural control (plant diseases), Fomes, Fungus diseases (plants), Hevea brasiliensis, Mercury compounds, Petrolatum.

SOME IMPORTANT TURF DISEASES.

M D Britton

Turfgrass Conf Proc 5:1-3,

03 Dec 1964 SB433.I4

O3 Dec 1904 50453.14
Agrostis, Chemical control (plant diseases),
Chlorinated hydrocarbons, Fungicides, Fungus diseases (plants), Fusarium roseum, Helminthosporium,
Helminthosporium sorokinianum, Maneb (zinc ion), Turf.

PERMEABILITY ALTERATIONS INDUCED IN APPLE LEAVES BY VIRULENT AND AVIRULENT STRAINS OF ERWINIA AMYLOVORA.

A Burkowicz R N Goodman Phytopathology 59(3):314-318 REF

Mar 1969 464.8 P56

Apples, Erwinia amylovora, Fungus diseases (plants), Leaves.

CROP PROTECTION

12601-69

12601-69 FUNGICIDAL ACTIVITY AND CHEMICAL CONSTITUTION. XV. THE ACTIVITY OF 4-(I-SUBSTITUTED N-ALKYL)-2,6-DINITROPHENOLS.

R J W Byrde D M Fieldgate V W L Jordan D Woodcock

Ann Appl Biol 64(1):119-130 REF

Aug 1969 442.8 AN72

Biological assay, Chemical control (plant diseases), Dinitrophenol compounds, Fungi, Fungicides, Fungus diseases (plants), Podosphaera leucotricha, Sphaerotheca mors-uvae, Sphacrotheca pannosa.

MAINTENANCE OF FUSARIUM SOLANI F. CUCURBITAE SNYDER AND HANSEN IN GOURDS. (POR)

L M C dc P Castro Biologico 33(2):40-41 Feb 1967 442.8 B529

Cucurbita, Culture media, Fusarium solani.

12603-69

FUNGICIDAL ACTIVITY AND CHEMICAL CONSTITUTION. xVI. THE USE OF PARTITION DATA FOR AN ANALYSIS OF THE ACTIVITIES OF ALKYLDINITROPHENOL FUNGICIDES AGAINST APPLE MILDEW.

D R Clifford A C Deacon M E Holgate Ann Appl Biol 64(1):131-134 REF Aug 1969 442.8 AN72

Apples, Biological assay, Chemical control (plant diseases), Dinitrophenol compounds, Fungicides, Mildew, Podosphaera leucotricha.

12604-69

A NOTE ON BARLEY MOSAIC IN INDIA.

K S Dhanraj S P Raychaudhuri Plant Dis Rep 53(9):766-767

Sep 1969 1.9 P69P

Barley, Mosaic, Plant disease resistance, Virus diseases (plants).

12605-69

A NEW SYSTEMIC FUNGICIDE.

D C Erwin

World Rev Pest Contr 8(1,SPRING):3

1969 79.8 W89

Butyl-2-(dimethylamino)-4-hydroxy-6-methyl pyrimidine, 5-, Chemical control (plant diseases), Chemical structure, Cucurbits, Fungicides, Fungus diseases (plants), Powdery mildew.

12606-69

ARYLHYDRAZONO-ISOXAZOLONES AS FUN-GICIDES.

D C Erwin

World Rev Pest Contr 8(1,SPRING):3 1969 79.8 W89

Azo compounds, Chelating agents, Chemical control (plant diseases), Chemical structure, Fungicides, Fungus diseases (plants).

12607-69

TOBACCO MOSAIC VIRUS IN DIVIDING MESOPHYLL CELLS OF NICOTIANA.

K Esad R H Gill

Yale J Biol Med 38(3):464-472 REF

Jul 1969 448.8 Y1

Chromosomes, Cytology, Mitosis, Mosaic, Plant physiology, Tobacco, Tobacco mosaic virus, Virus diseases (plants).

Cells in differentiating mesophyll of Nicotiana tobacum L. Icaves infected with tobacco mosaic virus divide in the presence of large accumulations of the virus. After the nuclear envelope breaks down during mitosis, scattered virus particles and small aggregates of particles occur among the chromosomes and continue to be associated with them until the late stages of mitosis. When the new daughter nuclei become enclosed in envelopes during the late anaphase and telophase, virus particles are usually left outside the nuclear envelope.

12608-69

RELATION OF TOBACCO MOSAIC VIRUS TO THE HOST CELLS.

K Esau J Cronshaw

BIBLIOGRAPHY

J Cell Biol 33(3):665-678 REF Jun 1967 442.8 J828

Electron microscopy, Mosaic, Plant histology, Tobacco, Virus diseases (plants).

EVALUATION OF PEANUT (ARACHIS HYPOGAEA) VARIETIES FOR VERTICILLIUM WILT RESISTANCE.

Z R Frank J Krikun

Plant Dis Rep 53(9):744-746

Sep 1969 1.9 P69P

Fungus diseases (plants), Peanuts, Plant disease resistance, Verticillium dahliae, Wilt.

12610-69

BACTERIAL BURNING OF LEAVES, A NEW DISEASE IN MILLET IN BRAZIL. (POR0)

A A Frenhani A P da Silveira B P B Cruz Biologico 35(4):85-87 REF

Apr 1969 442.8 B529

Bacterial diseases (plants), Millet, Plant diseases.

AN ELECTRON MICROSCOPY STUDY OF THE PENETRATION OF TOBACCO MOSAIC VIRUS INTO LEAVES FOLLOWING EXPERIMENTAL INOCULATION.

F M Gerola M Bassi M A Favali E Betto Yale J Biol Med 38(3):380-386 REF Jul 1969 448.8 Y1

Cowpeas, Electron microscopy, Penetration, Plant diseases, Tobacco mosaic virus.

SYSTEMIC ACTIVITY OF BENZIMIDAZOLES SOIL DRENCHES AGAINST POWDERY MILDEW OF APPLE AND CHERRY.

J D Gilpatrick

Plant Dis Rep 53(9):721-725 REF

Sep 1969 1.9 P69P

Apples, Benzimidazoles, Cherries, Fungus diseases (plants), Podosphaera leucotricha, Podosphaera oxyacanthae, Powdery mildew, Soil fungicides.

12613-69

TOMATO VIRUS DISEASES LITHUANIAN SSR. 2. THE M GROUP SAMPLING. (RUS) IN THE THE METHOD OF

M Goldin R Simkunas

Akad Nauk Litovsk SSR Dar C Ser Cer B 3(44):3-

1967 511 AK192D

Statistical methods, Tomatoes, Virus diseases (plants).

12614-69

VECTOR-INDUCED MODIFICATIONS IN A PLANT VIRUS.

1 Harpaz M Klein

Entomol Exp Appl 12(1):99-106 REF

1969 421 EN895

Corn, Delphacidac, Dwarf disease, Insect vectors, Virus diseases (plants).

INHIBITION OF TOBACCO MOSAIC VIRUS INFECTIVITY BY THE FUNGUS THIELAVIOP-SIS BASICOLA (BERK. BR.) FERR..

1 Harpaz M Bar-Joseph 1 Scla

Ann Appl Biol 64(1):57-64 REF

Aug 1969 442.8 AN72

Mosaic, Plant disease control, Secretion, Thielaviopsis basicola, Tobacco, Virus diseases (plants).

12616-69

ILLUSTRATION OF A TURF GRASS DISEASE STUDY HELMINTHOSPORIUM LEAF SPOT OF CREEPING BENTGRASS.

M J Healy

Turfgrass Conf Proc 5:50-53

03 Dec 1964 SB433.14

Agrostis, Diagnosis, Fungus diseases (plants), Helminthosporium, Helminthosporium sorokinianum, Immunization, Leaf spot, Turf.

12617-69

DISPERSAL OF CONIDIA OF DOTHIDELLA ULEI FROM HEVEA BRASILIENSIS.

P Holliday

Ann Appl Biol 63(3):435-447 REF

Jun 1969 442.8 AN72

Air-borne plant diseases, Dothidella ulei, Fungus diseases (plants), Hevea brasiliensis, Plant disease transmission, Rainfall.

FROM FUSARIUM STEM CAUSED BY FUSARIUM ROSEUM, IN COM-MERCIAL PRODUCTION OF CUTTINGS OF CARNATION, DIANTHUS CARYOPHYLLUS.

R K Horst P E Nelson

Florist Rev 143(3715):39,110-112

06 Feb 1969 80 W41

Crop losses, Dianthus caryophyllus, Flowers, Fungus diseases (plants), Fusarium, Stem rot.

DIFFERENTIAL RESPONSE, OF A FEW IM-PROVED AND LOCAL VARIETIES AS WELL AS A HYBRID LINE OF JUTE TO STEM-ROT (MACROPHOMINA PHASEOLI) ANTHRACNOSE (COLLECTOTRICHUM CORCHORI). DISEASES.

M Q Kabir A C Biswas Q A Ahmed Pakistan J Sci Res 20(1-2, JAN-APR):34-39

Apr 1968 475 P173

Anthracnose, Colletotrichum, Crop varicties, Jute, Macrophomina phaseoli, Plant breeding, Plant disease resistance.

12620-69

DEGRADATION OF TURNIP YELLOW MOSA-IC VIRUS BY FREEZING AND THAWING IN VITROI A NEW METHOD FOR STUDIES ON THE INTERNAL ORGANIZATION OF THE VIRAL COMPONENTS AND FOR ISOLATING NATIVE RNA.

J M Kaper R A Siberg

Yale J Biol Med 38(3):407-413 REF

Jul 1969 448.8 Y1

Plant biochemistry, Ribonucleic acid, Turnips, Yellow mosaic virus.

FORMATION OF SORUSES AND SPORE DIFFERENTIATIONS IN UTILAGO MAYDIS (DC.) CDA. (RUS0)

1 V Karatygin

Akad Nauk Sssr Dokl 186(3):717-719

1969 511 P444A

Fungus diseases (plants), Plant diseases, Spores, Ustilago maydis.

FUNGICIDES FOR DECIDUOUS TOP FRUIT: A SURVEY IN 1968.

A H M Kirby

World Rev Pest Contr 8(1,SPRING):45-58

1969 79.8 W89

Chemical control (plant diseases), Fruit, Fungicides, Fungus diseases (plants), Surveys.

12623-69

VIRUS PARTICLES IN PHLOEM EXUDATE FROM CUCUMIS SATIVUS L. AFTER INFECTION BY CUCUMIS VIRUS 2 A. (GE)

M Kluge

Planta 73(1):50-61 REF

13 Jan 1967 450 P693

Cucumbers, Electron microscopy, Exudates, Phloem, Plant physiology, Virus diseases (plants), Virus 2. English abstract.

12624-69

PROTECT YOUR MAIZE FROM HEAD SMUT.

K L Kothari

Indian Farming 17(4):8-9

Jul 1967 22 IN283

Chemical control (plant diseases), Corn, Cultural control (plant diseases), Fertilizers, Fungus diseases (plants), Hydrogen-ion concentration, Plant disease transmission, Sced treatment, Smut,

BIBLIOGRAPHY

Sphacelotheca reiliana.

Seed treatments, alkaline fertilizers, crop rotation, and several other cultural control practices were effective in rendering corn less susceptible to head smut, a fungus disease caused by Sphacelotheca

CRONARTIUM COMANDRAE IN THE ROCKY MOUNTAIN STATES.

R G Krebill

U.s. Forest Serv Inter Mt Forest Range Exp Sta Res Paper Int 50:28P REF

1968 A99.9 F764U

Blister rust, Cronartium comandrae, Fungus diseases (plants), Hibernation, Pinus contorta latifolia, Plant disease transmission, Temperature.

12626-69

CORN STALK ROT FUNGI IN NORTH CAROLINA.

K J Leonard D L Thompson Plant Dis Rep 53(9):718-720

Sep 1969 1.9 P69P

Colletotrichum, Corn, Fungus diseases (plants), Fusarium moniliforme, Gibberella zeae, Macrophomina phaseoli, Nigrospora oryzae, Sur-

STUDIES ON CLAVICEPS PURPUREA (FR.) TUL. PARASITIC ON PHRAGMITES COMMU-NIS TRIN.

P G Mantle

Ann Appl Biol 63(3):425-434

Jun 1969 442.8 AN72

Alkaloids, Claviceps purpurea, Fungus diseases (plants), Phragmites communis, Plant morphology.

GREY MILDEW OF COTTON IN RAJASTHAN. R L Mathur G C Bhatnagar S M Naik

Indian Farming 17(6):20-21

Sep 1967 22 IN283

Bordeaux mixture, Chemical control (plant diseases), Copper oxychloride, Cotton, Fungicides, Fungus diseases (plants), Mildew, Mycosphaerella

The symptoms and incidences of infection with grey mildew on several varieties of cotton are discussed. Bordeaux mixture was more effective in controlling Ramularia areola, the causal agent, than any of the eight other fungicides including five copper compounds.

UROMYCES COSTARICENSIS - A NEW REPORT FOR THE CONTINENTAL UNITED STATES.

F D Matthews

Plant Dis Rep 53(3):213 REF

Mar 1969 1.9 P69P

Fungus diseases (plants), Grasses, Lasiacis divaricata, Ornamental plants, Plant diseases, Rust, Uromyces costaricencis.

12630-69

RELATION BETWEEN THE BETA-GLU-COSIDASES AND FUNGUS INFECTION IN CORN. (FR)

P Molot

Acad Sci Compt Rend Ser D Sci Nat 264(13, 1ST SEMESTER):1724-1727 REF

29 Mar 1967 505 P21

Corn, Fungus diseases (plants), Glucosidase, beta-, Plant biochemistry, Plant disease resistance.

FINE STRUCTURE AND ELECTRON CYTOCHEMICAL STUDIES OF SCLEROTIUM ROLFS11 SACC.

N G Nair N A White D M Griffin S Blair Australian J Biol Sci 22(3):639-652 REF Jun 1969 442.8 AU72

Electron microscopy, Fungus diseases (plants), Physiology, Sclerotium rolfsii.

12632-69

PATHOLOGICAL HISTOLOGY OF CORN AND SORGHUM PLANTS INFECTED WITH MAIZE DWARF MOSAIC VIRUS AND SCLEROSPORA SORGHI.

N Z Naqvi M C Futrell

Plant Dis Rep 53(9):747-751 Sep 1969 1.9 P69P

Corn, Dwarf mosaic, Fungus diseases (plants), Plant histology, Sclerospora sorghi, Sorghum, Virus diseases (plants).

12633-69

THE EFFECT OF FUNGICIDAL TREATMENTS ON SPORULATING CAPACITY IN RELATION TO THE CONTROL OF COFFEE BERRY DIS-

F J Nutman F M Roberts

Ann Appl Biol 64(1):101-112

Aug 1969 442.8 AN72

Coffee, Colletotrichum coffeanum, Fungicides, Fungus diseases (plants), Sporulation.

SEASONAL VARIATIONS IN THE SPORULAT-ING CAPACITY OF THE FUNGUS CAUSING COFFEE BERRY DISEASE.

F J Nutman F M Roberts G H Freeman Ann Appl Biol 64(1):85-99 REF

Aug 1969 442.8 AN72

Coffee, Colletotrichum coffeanum, Fungus diseases (plants), Seasonal variation, Sporulation.

12635-69

THE FEEDING SITES IN SONCHUS OLERACEUS OF HYPEROMYZUS LACTUCAE, THE APHID VECTOR OF LETTUCE NECROTIC YELLOWS VIRUS.

G T O'Loughlin T C Chambers

Australian J Biol Sci 22(3):629-637 REF

Jun 1969 442.8 AU72

Aphididae, Food habits, Insect behavior, Insect vectors, Lettuce, Necrotic yellows, Phloem, Sonchus, Virus diseases (plants).

12636-69

USE OF BENZIMIDAZOLES FOR CONTROL OF FUNGI IN PEEL CULTURES OF CITRUS FRUITS.

M F Oberbacher G E Brown

Hortscience 3(4, WINTER):286-287

1968 SB1.H6

Alternaria, Arthrobotrys, Aspergillus, Benzimidazoles, Chemical control (plant diseases), Citrus, Colletotrichum, Diplodia, Fungicides, Fungus diseases (plants).

INCIDENCES OF PYTHIUM WILT OF SNAP BEANS IN COLORADO.

N Oshima L E Dickens B F Counter

Plant Dis Rep 53(9):766

Sep 1969 1.9 P69P

Beans, Fungus diseases (plants), Pythium, Surveys, Wilt.

12638-69

STATUS OF DUTCH ELM DISEASE IN OKLAHOMA.

P H Peacher C A Bower

Plant Dis Rep 53(9):768 MAP Sep 1969 1.9 P69P

Ceratocystis ulmi, Dieback (ulmus), Fungus diseases (plants), Plant geography, Surveys.

THE REACTIONS OF SUSCEPTIBLE AND RESISTANT TOMATO CULTIVARS TO STRAINS OF VERTICILLIUM ALBO-ATRUM.

G F Pegg G R Dixon

Ann Appl Biol 63(3):389-400 REF

Jun 1969 442.8 AN72

Fungus diseases (plants), Plant disease resistance, Plant physiology, Tomatoes, Verticillium alboatrum.

RIGIDOPORUS LIGNOSUS.

D N Pegler J M Waterston

Commonwealth Mycol Inst Cmi Desc Path Fungi Bact (SET 20):198

1968 462 7 C73

Air-borne plant diseases, Cacao, Coconuts, Formes lignosus, Fungus diseases (plants), Hevea, Plant diseases, Plant geography, Plant taxonomy, Polyporus, Root rot, Tca.

PHELLINUS ROBUSTUS.

D N Pegler J M Watertown

Commonwealth Mycol Inst Cmi Desc Path Fungi Bact (SET 20):197

1968 462.7 C73

Air-borne plant diseases, Fungus diseases (plants), Plant geography, Plant taxonomy, Polyporus, Ouercus, Rot.

12642-69

RIGIDOPORUS ZONALIS.

D N Pegler J M Waterston

Commonwealth Mycol Inst Cmi Desc Path Fungi Bact (SET 20):200

1968 462.7 C73

Air-borne plant diseases, Fungus diseases (plants), Plant geography, Plant taxonomy, Polyporus, Rot, Wood destroying fungi.

12643-69

FORMITOPSIS ROSEA.

D N Pegler J M Waterston

Commonwealth Mycol Inst Cmi Desc Path Fungi Bact (SET 20):191

1968 462.7 C73

Air-borne plant diseases, Coniferae, Fomes roseus, Fungus diseases (plants), Plant diseases, Plant geography, Plant taxonomy.

12644-69

RIGIDOPORUS ULMARIUS.

D N Pegler J M Waterston

Commonwealth Mycol Inst Cmi Desc Path Fungi Bact (SET 20):199

1968 462.7 C73

Air-borne plant diseases, Fungus diseases (plants), Plant diseases, Plant geography, Plant taxonomy, Polyporus, Rot, Ulmus.

PHELLINUS NOXIUS.

D N Pegler J M Waterston

Commonwealth Mycol Inst Cmi Desc Path Fungi Bact (SET 20):195

1968 462.7 C73

African oilpalm, Air-borne plant diseases, Brown root rot, Fomes noxius, Fungus diseases (plants), Hevea, Plant geography, Plant taxonomy, Tea.

12646-69

THE ECONOMICS OF DISEASE CONTROL IN HEVEA.

O S Peries

RRIC Bull (N s)1(2,SEP-DEC):27-33

1966 SB290.A1R8

Chemical control (plant diseases), Fomes, Fungicides, Fungus diseases (plants), Gloeosporium, Hevea, Oidium, Phytophthora, Plant disease control, Production economics, Rubber.

12647-69

ISOLATION OF STAPHYLOCOCCUS EPIDERMIDIS FROM TOBACCO.

J J Perry

Appl Microbiol 17(4):647

Apr 1969 448.3 AP5

Air-borne plant diseases, Bacterial diseases (plants), Culture media, Staphylococcus, Tobacco.

IN SITU BREAKAGE OF TURNIP YELLOW MOSAIC VIRUS RNA AND IN SITU AGGREGATION OF THE FRAGMENTS. ANALYSIS OF SUCCESSIVE STAGES.

C W A Pley J Talcns L Bosch M Mandel Yale J Biol Med 38(3):371-379

Jul 1969 448.8 Y1

Hydrogen-ion concentration, Plant biochemistry, Ribonucleic acid, Turnips, Virus diseases plants, Yellow mosaic virus.

CROP PROTECTION

12649-69

12649-69

ON PHAEOTRICHOCONIS CROTALARIAE OCCURRING ON QUADRIFOLIATA IN INDIA. MARSILEA

K M Ponnappa

Cur Sci 36(1):23-24 05 Jan 1967 475 SC123

Aquatic weeds, Fungus diseases (plants), Marsilea, Phaeotrichoconis crotalariae.

EFFECTS OF THE FUNGUS ERYSIPHE GRAMINIS F. SP. HORDEI MARCHAL ON THE TRANSPIRATION OF BARLEY. (GE00)

S Prichradny C Paulech

Biologia (bratislava) 24(4):261-272 REF 1969 442.8 B5265

Barley, Erysiphe graminis, Fungus diseases (plants), Plant diseases, Plant physiology, Plant transpiration. Russian and Czech abstracts.

THE CONTROL OF SCLEROTINIA SCLEROTIORUM IN GREEN BEANS. (POR)

L O C Rczende B M R Pessanha C A Campacci V Horino

Biologico 35(1):8-12

Jan 1969 442.8 B529

Beans, Chemical control (plant discases), Dichloro-4-nitroaniline, 2,6-, Fungicides, Fungus diseases (plants), Sclcrotinia sclerotiorum. English abstract.

12652-69

ORGANIC MANURING FOR POTATO SCAB CONTROL AND ITS RELATION TO SOIL MANGANESE.

P F Rogers

Ann Appl Biol 63(3):371-378 REF

Jun 1969 442.8 AN72

Cultural control (plant diseases), Green manures, Manganese, Potatoes, Soil microorganisms, Streptomyces scabies.

12653-69

FIELD TRIALS FOR THE CONTROL OF STEMPHYLIUM BOTRYOSUM F. LYCOPER-SICI.

J Rotem

Israel J Agr Res 18(2):87-88

Apr 1968 107 J552

Carbamates, Chemical control (plant discases), Dichloro-6-(o-chloroanilino)-s-triazine, cides, Fungus diseases (plants), Leaf spot, Stemphylium, Tomatoes.

CONTROLLING LATE BLIGHT OF POTATO WITH SOME FUNGICIDES.

A K Roy N D Das

Indian Phytopathol 21(2):232-233 REF

Jun 1968 464.8 IN2

Chemical control (plant diseases), Dithane, Fentin acetate, Fungicides, Late blight, Potatoes.

12655-69

A BLIGHT OF ALEPPO PINE (PINUS HALEPENSIS).

M C Rush A M Boyle

Plant Dis Rep 53(9):714-718 REF

Sep 1969 1.9 P69P

Blight, Fungus diseases (plants), Pinus halepensis, Soil moisture, Surveys.

YUZUHADA, A PHYSIOLOGICAL DISORDER OF ORIENTAL PEAR, AND ITS POSSIBLE RELATION TO BLACK-END AND HARD-END OF BARTLETT.

K Ryugo L D Davis

Hortscience 3(1, SPRING):15-17

1968 SB1.H6

Black end, Crop varieties, Hard end, Pears, Plant breeding, Plant physiological diseases, Pyrus pyrifolia, Yuzuhada. 12657-69

STUDIES ON THE BACTERIAL DISEASES OF SUDAN CROPS. VIII. SURVIVAL AND DISSEMINATION OF XANTHOMONAS PHASEOLI (E.F.SM.) DOWSON.

BIBLIOGRAPHY

K A Sabet F Ishag

Ann Appl Biol 64(1):65-74 REF

Aug 1969 442.8 AN72

Bacterial diseases (plants), Beans, Bemisia tabaci, Insect vectors, Longevity, Pathology, Water, Xanthomonas phaseoli.

12658-69

TRANSMISSION OF THE DISEASE BRAZILIAN TOMATO RINGSPOT THROUGH THE SOIL. (POR0)

T A Salomao K M Silberschmidt D R Weigl Biologico 35(4):79-84

Apr 1969 442.8 B529

Plant disease transmission, Ring spot, Soil-borne plant diseases, Tomatoes. English abstract.

REACTIONS OF TWO PRECOCIOUS PEACH VARIETIES TO THE ELIMINATION OF RING SPOT VIRUSES. (FR00)

Paris Acad Agr France Compt Rend Hebd Seances 55(4):262-269

26 Feb 1969 14 P215BC

Peaches, Plant disease resistance, Plant diseases, Ring spot, Virus diseases (plants).

A METHOD FOR THE INJECTION OF CHEMI-CALS INTO TREES.

L R Schreiber

Plant Dis Rep 53(9):764-765

Sep 1969 1.9 P69P

Drug therapy, Injections, Methodology, Plant diseases, Trees.

SCREENING FOR PADI BLAST DISEASE RE-SISTANCE IN WEST MALAYSIA.

K G Singh

Malaysian Agr J 47(1):53-63

Jan 1969 22.5 F312

Biological assay, Blast, Piricularia oryzae, Plant disease resistance, Plant diseases, Rice.

12662-69

TRANSMISSION OF STRAINS OF RASPBERRY RINGSPOT AND TOMATO BLACK RING VIRUSES BY LONGIDORUS ELONGATUS (DE MAN).

C E Taylor A F Murant

Ann Appl Biol 64(1):43-48 REF

Aug 1969 442.8 AN72

Black ring, Longidorus elongatus, Plant disease transmission, Raspberries, Ring spot, Tomatoes, Virus diseases (plants).

12663-69

IDENTIFICATION OF WHEAT VIRUSES IN VIRGINIA.

S A Tolin C W Roane

Plant Dis Rep 53(9):751-752 REF

Sep 1969 1.9 P69P

Virus diseases (plants), Wheat.

12664-69

EPIDEMIOLOGY OF COCKSFOOT MOTTLE VIRUS.

M E Upstone

Ann Appl Biol 64(1):49-55-

Aug 1969 442.8 AN72

Animal vectors, Dactylis glomerata, Mottle, Surveys, Virus diseases (plants).

RELATION OF THE TIME OF YEAR TO CANKER INITIATION BY FUSARIUM SOLANI IN SUGAR MAPLE.

F A Wood J M Skelly

Plant Dis Rep 53(9):753-755

Sep 1969 1.9 P69P

Acer saccharum, Canker, Fungus diseases (plants), Fusarium solani.

SAPONINS IN RELATION TO THE CONTROL OF AVOCADO ROOT ROT WITH ALFALFA MEAL.

G A Zentmycr Thompson

Calif Avocado Soc Yearbook 52:125-127

1968 81 C128

Alfalfa meal, Avocados, Biological control (plant diseases), Fungus diseases (plants), Phytophthora cinnamomi, Root rot, Saponins.

ARTHROPODS

12667-69

UNNAMED AND LITTLE-KNOWN INSECTS ATTACKING COTTONWOOD IN SOUTHERN CALIFORNIA.

L R Brown C O Eads

J Econ Entomol 62(3):667-674

16 Jun 1969 421 J822

Diptera, Hymenoptera, Insect pests, Lepidoptera, Populus fremontii.

12668-69

NEW RECORD OF EUBRACHIS INDICA BALLY (CHRYSOMELIDAE: COLEOPTERA) AS A SERIOUS PEST OF APPLE IN AS A SERIOUS PHIMACHAL PRADESH.

A N Chowdhuri J C Seam

Indian J Entornol 30(3):242

Sep 1968 420 IN23

Apples, Chrysomelidae, Insect pests, Insect taxonomy, Plant injuries.

12669-69

PEAR PSYLLA CONTROL STUDIES.

N Y (state) Agr Exp Sta Res Circ 16:1-10 Apr 1969 100 N48R

Carbamates, Chemical control (insects). Chlorinated hydrocarbons, Insecticide resistant insects, Insecticides, Organophosphorus compounds, Pears, Psylla pyricola.

THE CONTROL OF APHIS FABAE SCOP. ON SPRING-SOWN FIELD BEANS (VICIA FABA L.).

H J Gould C W Graham

Ann Appl Biol 64(1):1-10

Aug 1969 442.8 AN72 Aphis fabae, Broadbeans, Chemical control (insects), Crop losses, Dimethoate, Disulfoton, DDT, Insecticides, Methyl demeton, Organophosphorus compounds, Phorate.

LABORATORY AND FIELD TESTS IN 1966--67 ON CHEMICAL CONTROL OF WIREWORMS (AGRIOTES SPP.).

D C Griffiths G C Scott J R Lofty P F Roberts Ann Appl Biol 64(1):21-29 REF

Aug 1969 442.8 AN72

Agriotes, Barley, Benzene hexachloride, Chemical control (insects), Chlorinated hydrocarbons, Insect control, Insecticides, Lindane, Organophosphorus compounds, Potatoes.

12672-69

DIFFERENTIAL YIELD RESPONSES OF COM-MERCIAL SUGARCANE VARITIES TO SU-GARCANE BORER DAMAGE.

S D Hensley W H Long

J Econ Entomol 62(3):620-622

16 Jun 1969 421 J822

Azinphosmethyl, Chemical control (insects), Crop losses, Crop varietics, Crop yields, Diatraea saccharalis, Endrin, Insect pests, Plant injuries, Sugarcane.

12673-69

TOXICITY, CONTROL, AND RESIDUE STU-DIES WITH DO-14 (2-(P-TERT-BU-

TYLPHENOXY) CYCLOHEXYL 2-PROPYNYL SULFITE) AS AN ACARIDICIDE AGAINST THE CITRUS RED MITE.

L R Jeppson W F Westlake F A Gunther J Econ Entomol 62(3):531-536 16 Jun 1969 421 J822

Acaricides, Butylphenoxy)cyclohexyl 2-propynyl sulfite, 2-(p-tert-, Chemical control (insects), Citrus, Food contamination, Insect pests, Insecticide residues, Lemons, Mites, Panonychus citri, Toxicology.

12674-69

EFFICACY OF DIFFERENT INSECTICIDES AGAINST TOBACCO GROUND BEETLES IN THE FIELD

B G Joshi R S N Rao

Indian J Entomol 30(3):249-250

Sep 1968 420 IN23

Chemical control (insects), Chlorinated hydrocarbons, Dieldrin, Ethyl chloride, Formothion, Insecticides. Isobenzan, Tenebrionidae, Tobacco, Isobenzan, Tenebrionidae, Trichlorfon.

EFFECT OF LATE INFESTATION OF THE STEM BORER CHILO ZONELLUS SWIN. ON THE YIELD OF SORGHUM GRAINS.

M G Jotwani K M Srivastava Indian J Entomol 30(1):90-91 Mar 1968 420 IN23

Chilo zonellus, Crop losses, Crop yields, Insect pests, Sorghum.

12676-69

INSECTICIDES FOR CONTROL OF SPHENOPHORUS VENATUS CONFLUENS, RHOPALOSIPHUM PADI, AND BRUNNEUS RHIPIDOTHRIPS ORCHARDGRASS.

J A Kamm R W Every J Econ Entomol 62(4):950-951 15 Aug 1969 421 J822

Aldrin, Carbamates, Chemical control (insects), Chlorinated hydrocarbons, Dactylis glomerata, Diazinon, Disulfoton, Heptachlor, Insecticides, Isopropoxyphenyl methylcarbamate, o., Organophosphorus compounds, Rhipidothrips brunneus, Rhopalosiphum padi, Sphenophorus venatus confluens.

STUDIES ON LIPAPAPHIS ERYSIMI (KALT.) WITH SPECIAL REFERENCE TO INSECT-PLANT RELATIONSHIP. III. EFFECT OF AGE OF PLANTS ON SUSCEPTIBILITY.

G G Kundu N C Pant

Indian J Entomol 30(2):169-172

Jun 1968 420 IN23

Aging, Bird rape, Lipaphis erysimi, Plant pest resistance, Plant physiology.

PRELIMINARY ACCOUNT MACROSIPHUM MISCANTHI TAKAHASHI ON GRASSES AND CEREALS IN NEW ZEALAND.

New Zeal Entomol 4(2):33-35

Apr 1969 421 N48

Grasses, Insect biology, Macrosiphum, Wheat.

12679-69

SUMMER CONTROL OF GRAPE--VINE SCALE (EULECANIUM PERSICAE (F.)) IN STANTHROPE DISTRICT, QUEENSLAND.

R A McLachlan

Queensland J Agr Anim Sci 26(1):95-97

Mar 1969 23 O37

Azinphosmethyl, Chemical control (insects), Coccoidea, Grapes, Organophosphorus compounds.

CONTROL OF GRAPE LEAF BLISTER MITE (ERIOPHYES VITIS (PAG.)) IN THE STANTHROPE DISTRICT, QUEENSLAND.

R A McLachlan Queensland J Agr Anim Sci 26(1):89-94

Mar 1969 23 Q37

Azinphosmethyl, Carbaryl, Chemical control (insccts), Eriophycs vitis, Grapes, Lime-sulfur, Methyl demeton. Organophosphorus Parathion

12681-69

NOTES ON INSECTS INFESTING PINE CONES IN MISSISSIPPI.

Ww Neel C F Sartor

Entomol News (philadelphia) 80(6):159-167 REF

Jun 1969 421 EN88

Phycitidae, Pine cones, Predaceous insects.

RECORDS OF PARASITES OF SUNNHEMP SHOOT-BORER, LASPEYRESIA TRICENTRA MEYR. (TORTRICIDAE: LEPIDOPTERA) IN UTTAR PRADESH.

S Ram

Indian J Entomol 30(3):254

Sep 1968 420 IN23

Diptera, Hymenoptera, Laspeyresia, Natural control (insects), Parasitic insects, Sunn crotalaria, Tortricidae.

BIONOMICS OF HELLULA UNDALIS FB., THE CABBAGE BORER (PYRALIDAE: LEPIDOPTERA) AT JABALPUR.

R R Rawat Y S Rathore D K Saxena Indian J Entornol 30(3):235-237

Sep 1968 420 IN23

Biological control (insects), Bracon hebetor, Brassica, Hellula, Insect biology, Parasitic insects.

INSECTICIDAL CONTROL OF CITRUS PESTS IN COASTAL CENTRAL QUEENSLAND.

B N E Sabine

Queensland J Agr Anim Sci 26(1):83-88 Mar 1969 23 O37

Chemical control (pests), Citrus, Coccoidea, Insecticides, Lime-sulfur, Mineral oil, Mites, Sulfur.

12685-69

A NOTE ON THE COMPATIBILITY OF ENDRIN WITH PARACHLOROPHENOXY ACETIC ACID AND BORON IN RELATION TO MUSTARD APHID INFESTATION.

S P Singh G S Sirohi D S Shukla D P S Tomar R B Mehra

Indian J Entomol 30(2):173-174

Jun 1968 420 IN23

Bird rape, Boron, Chlorinated hydrocarbons, Endrin, Lipaphis erysimi, Para-chlorophenoxyacetic acid, Plant growth regulator.

12686-69

INTERRELATION OF STEM BORER IN-CIDENCE AND CERTAIN AGRONOMIC TRAITS IN JAUNPUR VARIETY OF MAIZE UNDER DIFFERENT LEVELS OF NITROGEN.

T P Singh R Singh L B Chaudhary Indian J Entomol 30(3):220-222

Sep 1968 420 IN23

Chilo zonellus, Corn, Nitrogen, Plant physiology, Population.

12687-69

TREATMENT OF CORN ROOTWORM LARVAE AND ADULTS WITH BACILLUS THURINGIENSIS AND B. POPILLIAE.

G R Sotter

J Econ Entomol 62(3):756-757

16 Jun 1969 421 J822

Bacillus popilliae, Bacillus thuringiensis, Biological control (insects), Corn, Diabrotica, Imagos, Insect diseases, Insect pests, Larvae. The treatments were ineffective.

12688-69

ENTOMOLOGY.

Channel Island Farmer Grower 2(8):90 1968 S3 C5

Aphididae, Chemical control (insects), Entomology, Fumigants, Insect posts, Insect vectors. Insecticide application, Insecticides, Myzus persicae, Potatoes, Spraying, Viruses. 12689-69

EVIDENCE OF TRANSOVARIAL PASSAGE OF THE SOWTHISTLE YELLOW VEIN VIRUS IN THE APHID HYPEROMYZUS LACTUCAE.

E S Sylvester

Yale J Biol Med 38(3):440-446 REF

Jul 1969 448.8 Y1

Hyperomyzus lactucae, Insect vectors, Ovaries, Plant disease transmission, Sonchus, Viruses, Yel-

THE INFLUENCE OF UC-21149 AND THE APHIDID PARASITE APHIDIUS SMITHI ON POPULATIONS OF THE PEA APHID.

G Tamaki J E Halfhill J C Maitlen J Econ Entomol 62(3):678-682

16 Jun 1969 421 J822

Acyrthosiphon pisum, Aldicarb, Alfalfa, Aphidius smithi, Integrated control (insects), Metabolites, Parasitic insects. Greenhouse tests.

INSECT CONTROL STUDIES ON THE NEW HYBRID SORGHUM CSH-I IN INDIA.

V V Thobbi G V Moorthy M G Jotwani J P Kulshreshtha R N Katiyar et. al.

Indian J Entomol 30(1):45-57

Mar 1968 420 IN23

Atherigona varia, Benzene hexachloride, Carbamates, Carbaryl, Chemical control (insects), Chilo zonellus, Chlorinated hydrocarbons, Contarinia sorghicola, Crop losses, DDT, Endrin, Insect pests, Insecticides, Organophosphorus compounds, Phorate, Sorghum.

12692-69

A NEW RECORD OF BORER CELOSTERNA SCABRATOR FBR. (LAMIIDAE, COLEOP-TERA) AS A PEST OF GRAPE VINE, VITIS VINIFERA L. IN MAHARASHTRA.

E R Upasani N A Phadnis Indian J Entomol 30(2):177 Jun 1968 420 IN23

Grapes, Insect outbreaks, Lamiidae.

12693-69

PLANT RESISTANCE TO MYZUS PERSICAE INDUCED BY A PLANT REGULATOR AND MEASURED BY APHID RELATIVE GROWTH RATE.

H F Van Emden

Entomol Exp Appl 12(1):125-131 REF 1969 421 EN895

Chloroethyl)trimethylammonium chloride, (2-, Methodology, Myzus persicae, Plant pest resistance, Plant regulators.

12694-69

FIELD EVALUATIONS IN SPRAY PROGRAMS FOR CONTROL OF THE FRUIT-TREE LEAF ROLLER ON SWEET CHERRY.

J Econ Entomol 62(4):951-952

15 Aug 1969 421 J822

R W Zwick F W Peifer

Archips argyrospilus, Azinphosmethyl, Bromo-2,5-O-methylphendichlorophenyl) dichlorophenyl O-methylphen-ylphosphonothioate, O, Carbamates, Carbofuran, Chemical control (insects), Cherries, Chlorinated hydrocarbons, Crop losses, DDT, Endosulfan, Ethion, Mazzard cherries, Methoxy-5-oxo-delta2-1,3,4-thiadiazolin-4-yl)methyl, O,O-d i, Mineral oil, Organophosphorus compounds, Parathion, Phosalone, Spraying, TDE.

NEMATODES

12695-69

MELOIDOGYNE NAASI ON SORGHUM IN KANSAS.

S Aytan O J Dickerson Plant Dis Rep 53(9):737

Sep 1969 1.9 P69P Dichloropropane dichloropropene Dichloropropene, 1,3-, Meloidogyne, cides, Plant nematodes, Sorghum. mixture. Nemato-

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12696-69

12696-69

ASSESSMENT OF THE DAMAGE CAUSED TO POTATOES BY POTATOES CYST EELWORM, HETERODERA ROSTOCHIENSIS WOLL..

E B Brown

Ann Appl Biol 63(3):493-502 REF

Jun 1969 442.8 AN72

Crop losses, Heterodera rostochiensis, Plant nematodes, Potatocs, Statistical analysis, Surveys.

THE IMPORTANCE OF THE PROBLEMS POSED BY THE BULB AND STEM EELWORM, DITYLENCIIUS DIPSACI KUHN, IN WESTERN FRANCE. (FR00)

G Caubel

Paris Acad Agr France Compt Rend Hebd Seances 55(7):497-506 REF

23 Apr 1967 14 P215BC

Bulbs, Diagnosis, Ditylenchus dipsaci, Plant nematodes, Stem eelworm.

A SURVEY OF THE COFFEE TREE NE-MATODE, MELOIDOGYNE COFFEICOLA, IN THE STATE OF SAO PAULO. (POR)

S M Curi L G E Lordello A de Bona A F Cintra Biologico 35(2):41-44 MAP

Feb 1969 442.8 B529

Coffee, Meloidogyne, Plant nematodes, Zoogeography. English abstract.

STUDIES OF CEREAL NEMATODE POPULA-TIONS AND CEREAL YIELDS UNDER CON-TINUOUS OR INTENSIVE CULTURE.

R Gair P L Mathias P N Harvey

Ann Appl Biol 63(3):503-512 REF Jun 1969 442.8 AN72

Barley, Crop rotation, Heterodera avenae, Nitrogen, Oats, Plant nematodes, Population, Pratylenchus neglectus, Trichodorus.

ABOUT THE SPECIFICITY OF TYLENCHULUS SEMIPENETRANS COBB (NEMATODA; TYLENCHIDA) TO SEVERAL SPECIES OF CITRUS ROOTS.

F Jiminez-Millan

Helminthologia 8(1-4):209-214

1967 436.8 H36

Citrus, Plant nematodes, Roots, Tylenchus, Zoogeography.

12701-69

BIOLOGICAL ASPECTS OF THE CARROT CYST NEMATODE, HETERODERA CAROTAE JONES, 1950. (GE00)

Biol Zentralbl 88(3,MAY-JUN):365-371

Jun 1969 442.8 B523

Biology, Carrots, Heterodera, Plant nematodes, Population. English abstract.

OBSERVATIONS ON MEADOW NEMATODES (PRATYLENCHUS SPP.) AND THEIR RELATION TO DECLINES OF CITRUS IN FLORIDA.

A C Tarjan J H O'Bannon

Plant Dis Rep 53(9):683-686

Sep 1969 1.9 P69P

Citrus, Plant nematodes, Pratylenchus, Surveys.

WEEDS

12703-69

LEACHING OF TRIFLURALIN, BENEFIN, AND NITRALIN IN SOIL COLUMNS.

W P Anderson A B Richards J W Whitworth

Weed Sci 16(2):165-169 REF

Apr 1968 79.8 W41

Benefin, Herbicides, Methylsulfonyl)-2,6-dinitro-N,N-dipropylaniline, 4-(, Soil leaching, Soil testing, Trifluralin.

EFFECT OF SEVERAL HERBICIDES ON PROTEOLYTIC ACTIVITY OF SQUASH SEEDLINGS.

F M Ashton D Penner S Hoffman

Weed Sci 16(2):169-171 REF

Apr 1968 79.8 W41

Enzymes, Herbicides, Seedlings, Squash. Plant biochemistry,

12705-69

EFFECTS OF 2,4,5-T AND DIBUTYL PHTHA-LATE ON BLOODWOOD (EUCALYPTUS DICHROMOPHLOIA).

H W Beger

Queensland J Agr Anim Sci 26(1):117-120

Mar 1969 23 O37

Dibutyl phthalate, Eucalyptus, Herbicides, T, 2.4.5-.

12706-69

ECOLOGY OF SUBMERSED AQUATIC WEEDS IN SOUTH FLORIDA CANALS.

R D Blackburn P F White L W Weldon

Weed Sci 16(2):261-266 REF

Apr 1968 79.8 W41

Aquatic weeds, Elodea, Light, Najas guadalupensis, Nitrogen, Plant ccology.

CONTROL OF LIVE OAK BY HERBICIDES AP-PLIED AT VARIOUS RATES AND DATES.

R W Bovet H L Morton J R Baur

Weed Sci 17(3):373-376

Jul 1969 79.8 W41

Bromacil, Herbicide application, Herbicides, Picloram, Quercus virginiana, T, 2,4,5-.

12708-69

EFFECT OF SIMULATED RAINFALL ON HER-BICIDE PERFORMANCE.

R W Bovey J D Diaz-Colon

Weed Sci 17(2):154-157 Apr 1969 79.8 W41

D, 2,4-, Dinoseb, Guavas, Herbicides, Mangoes, Paraquat, Pentachlorophenol, Phytotoxicity, Picloram, Rainfall, Sorghum, T, 2,4,5-, Weather,

12709-69

EFFECT OF ACTIVATED CARBON ON THE PHYTOTOXICITY OF HERBICIDES IN A TROPICAL SOIL.

R W Bovey F R Miller

Weed Sci 17(2):189-196 REF

Apr 1969 79.8 W41

Carbon, Cucumbers, Herbicides, Kidney beans, Oats, Phytotoxicity, Picloram, Propazine, Soils, Toxicology.

12710-69

WEED CONTROL IN SERICEA LESPEDEZA.

G A Buchanan E R Burns

Ala Agr Exp Sta Circ 165.15P REF Jan 1969 100 ALIS (2)

Benefin, Bensulide, Chemical control (weeds), Ethyl N,N-dipropylthiocarbamate, Herbicides, Legumes, Lespedeza cuneata, Siduron, Vernolate, Weed control.

12711-69

WEED CONTROL IN A WINTER WHEAT-FAL-LOW ROTATION.

O C Burnside C R Fenster C E Domingo

Weed Sci 16(2):255-258 REF

Apr 1968 79.8 W41

Amitrole, Atrazine, Bromus tectorum, Chemical control (weeds), Crop rotation, Herbicides, Monuron, Wccd control, Wheat.

ENVIRONMENTAL INFLUENCE ON BENT-GRASS TREATED WITH SILVEX. L M Callahan R E Engel R D Ilnicki

Weed Sci 16(2):193-196 REF Apr 1968 79.8 W41

Agrotis, Environment, Fructosans, Herbicides, Humidity, Hydrogen-ion concentration, Light, Plant biochemistry, Silvex, Temperature.

TRANSLOCATION OF DICAMBA IN CANADA THISTLE.

F Y Chang W H Vanden Born Weed Sci 16(2):176-181 REF

Apr 1968 79.8 W41

Chemical control (wceds), Cirsium arvense, Dicamba, Herbicides, Plant physiology, Plant translocation, Toxicology.

WEED CONTROL RESEARCH '47-'67.

A S Crafts

Pest Contr Oper News 28(12):19-20

Dec 1968 SB951.A1P4

Chemical control (weeds), Herbicides, History

INSECTICIDE TRIALS IN TOBACCO SEED-BEDS, 1962--1965.

1 C Cunningham

Queensland J Agr Anim Sci 26(1):99-106

Mar 1969 23 Q37

Azinphosmethyl, Endrin, Fenthion, Insecticides, Isobenzan, Organophosphorus compounds, Plant morphology, Seedlings, Tobacco, Toxicology, Trichlorfon.

12716-69

THE INFLUENCE OF SOIL CHARACTERISTICS ON THE ADSORPTION AND PHYTOTOXICITY OF SIMAZINE.

B E Day L S Jordan V A Jolliffe Weed Sci 16(2):209-213 REF

Apr 1968 79.8 W41

Herbicides, Oats, Simazine, Soil adsorption, Soil structure, Toxicology.

12717-69

BACTERIUM YIELDS NEW WEED KILLER.

Agr Res 17(11):11

May 1969 1.98 AG84

Bacteria, Chemical control (weeds). Cystathionine, Herbicides, Plant growth inhibitors, Rhizobium.

A CUCUMBER BIOASSAY TEST FOR THE SOIL RESIDUES OF CERTAIN HERBICIDES. C C Dowler

Weed Sci 17(3):309-310

Jul 1969 79.8 W41

Biological assay, Bromacil, Cucumbers, Dicamba, Diuron, Fenac, Herbicide residues, Herbicides, Picloram, Prometone, Soils.

ATRAZINE VERSUS ATRAZINE PLUS OIL.

Northeast Weed Contr Conf Proc 22:286-292 03 Jan 1968 79.9 N814

Amaranthus retroflexus, Atrazine, Chemical control (weeds), Corn, Panicum, Setaria glauca.

WINGED ELM CONTROL WITH PICLORAM AND 2,4,5-T WITH AND WITHOUT ADDITIVES.

H M Elwell

Weed Sci 16(2):131-133

Apr 1969 79.8 W41

Chemical control (weeds), Herbicide application, Picloram, T, 2,4,5-, Weed control, Winged elm.

12721-69

GROSS MORPHOLOGICAL AND CYTOLOGICAL EFFECTS OF NITRALIN ON CORN ROOTS.

W A Gentner L G Burk

Weed Sci 16(2):259-260 Apr 1968 79.8 W41

Corn, Herbicides, Methylsulfonyl)-2,6-dinitro-N,N-dipropylaniline, 4-(, Plant cytology, Plant morphology, Roots, Toxicology.

IMPORTANCE OF ROOT, SHOOT, AND SEED EXPOSURE ON THE HERBICIDAL ACTIVITY OF EPTC.

R A Gray A J Wcierich Weed Sci 17(2):223-229 Apr 1969 79.8 W41

Ethyl N,N-dipropylthiocarbamate, Grain, Herbicides, Phytotoxicity, Plant physiology, Roots, Sced

HERBICIDES - ECONOMIC TOOLS IN RAIL-ROAD VEGETATION CONTROL.

R R Gunderson

Northeast Weed Contr Conf Proc 22:314-317

03 Jan 1968 79.9 N814

Bromacil, Chemical control (weeds), D, 2,4-, Economics, Railroads.

THE EFFECT OF LINURON ON 32P AND 45Ca UPTAKE IN TOMATO AND PARSNIP.

E J Hogue

Weed Sci 16(2):185-187 REF

Apr 1968 79.8 W41

Calcium, Herbicides. Linuron. Parsnips. Phosphorus, Plant translocation, Tomatoes.

12725-69

EFFECT OF TIME OF GIANT FOXTAIL REMOVAL FROM CORN AND SOYBEANS.

E L Knake F W Slife

Weed Sci 17(3):281-283 REF

Jul 1969 79.8 W41

Competition, Corn, Crop losses, Setaria faberi, Soybeans, Weeds.

INCORPORATION OF DYCHLOBENIL IN MULCHES.

F O Lanphear

Weed Sci 16(2):230-231

Apr 1968 79.8 W41

Chemical control (weeds), Dichlobenil, Herbicides, Mulches.

12727-69

INTERACTION OF EPTC AND DNBP ON SEEDLINGS OF ALFAFA AND BIRDSFOOT TREFOIL.

D L Linscott R D Hagin Weed Sci 16(2):182-184 REF

Apr 1968 79.8 W41

Alfalfa, Birdsfoot trefoil, Chemical control (weeds), Dinoseb, Ethyl N,N-dipropylthiocarbamate, Herbicides, Seedlings.

EFFECTS OF TWO ENVIRONMENTAL FACTORS ON REMOVAL OF 2,4-DB FROM FORAGE.

D L Linscott R D Hagin Weed Sci 16(2):114-116

Apr 1968 79.8 W41

Alfalfa, Dichlorophenoxy) butyric acid, 4-(2,4-, Herbicides, Light, Rainfall.

PHYTOTOXICITY AND MOVEMENT OF AMIBEN DERIVATIVES IN SOIL.

J J Linscott O C Burnside T L Lavy

Weed Sci 17(2):170-174

Apr 1969 79.8 W41

Adsorption, Amiben, Chemical control (weeds), Corn, Phytotoxicity, Soils, Soybeans, Weed control.

TRANSLOCATION AND FATE OF DICAMBA IN PURPLE NUTSEDGE.

A C Magalhaes F M Ashton C L Foy Weed Sci 16(2):240-245 REF

Apr 1968 79.8 W41

Autoradiography, Chromatography, Cyperus rotundus, Dicamba, Herbicides, Plant physiology, Plant translocation.

SOYBEAN MITOCHONDRIAL RESPONSE TO PROMETRYNE AND FLUOMETURON.

J L McDaniel R E Frans Weed Sci 17(2):192-196 REF

Apr 1969 79.8 W41

Dimethyl-3-(alpha,alpha,alpha-trifluoro-m-tolyl)u-rea, 1,1-, Herbicides, Mitochondria, Plant metabol-ism, Prometryne, Soybcans.

THE EFFECT OF LINURON ON ION UPTAKE IN CORN, SOYBEAN, AND CRABGRASS.

R B Nashed R D Ilnicki

Weed Sci 16(2):188-192 REF

Apr 1968 79.8 W41

Corn, Digitaria, Herbicides, Ions, Linuron, Plant biochemistry, Soybeans.

CONTROL OF BROOMRAPE IN PEAS AND CARROT CROPS.

D Netzer

Plant Dis Rep 53(9):731-732

Sep 1969 1.9 P69P

Carbamates, Carrots, Chemical control (weeds), Herbicides, Orobanche, Peas.

PROPANIL AND MOLINATE FOR CONTROL OF BARNYARDGRASS IN WATER-SEEDED RICE.

E A Oelke M D Morse Weed Sci 16(2):235-239

Apr 1968 79.8 W41

Carbamates, Chemical control (weeds), Echinochloa crusgalli, Ethyl hexahydro-1h-azepine-1-carbothioate, S, Herbicides, Propanil, Rice.

12735-69

RESPONSE OF SAGO PONDWEED TO PERIODIC REMOVAL OF TOPGROWTH.

A G Ogg V F Bruns A D Kelley Weed Sci 17(2):139-141

Apr 1969 79.8 W41

Aquatic plants, Chemical control (weeds), Herbicides, Hydrocarbons, Potamogeton pectinatus, Sol-

12736-69

ORGANIC MATTER--AMIBEN INTERACTION ON NODULATION AND GROWTH OF SOYBEANS.

J W K Olumbe C Yeatch

Weed Sci 17(2):264-265 REF

Apr 1969 79.8 W41

Amiben, Herbicides, Nodules (plants), Organic soils, Plant physiology, Soybeans.

12737-69

LEACHING OF SEVEN S-TRIAZINES.

E G Rodgers

Weed Sci 16(2):117-120 REF Apr 1969 79.8 W41

Biological assay, Cucumbers, Herbicides, Oats, Sandy soils, Soil leaching, Triazines.

TRIFLURALIN PERSISTENCE AS AFFECTED BY DEPTH OF SOIL INCORPORATION.

K E Savage W L Barrentine Weed Sci 17(3):349-352

Jul 1969 79.8 W41

Chemical analysis, Herbicide residues, Soils, Triflu-

12739-69

PERSISTENCE OF DICHLOBENIL AN SD-7961

T J Sheets C 1 Harris J W Smith Weed Sci 16(2):245-249

Apr 1968 79.8 W41 Beans, Dichlobenil, Dichlorothiobenzamide, 2,6-, Herbicides, Pesticide residues, Soils.

WEED CONTROL IN TURF.

F W Slife J D Butler

Turfgrass Conf Proc 5:47-49

03 Dcc 1964 SB433.14

Chemical control (wccds), Herbicides, Poa, Turf.

The herbicides discussed are: Dicamba, 2,4-D, MCPP, Betasan, Tupersan, and Azak. Many types of weeds are discussed.

METABOLISM OF PYRAZON IN SUGAR BEETS AND SOIL.

G R Stephenson S K Ries Weed Sci 17(3):327-331

Jul 1969 79.8 W41

Chromatography, Decomposition, Herbicides, Plant metabolism, Pyrazon, Soils, Sugar beets.

RESPONSE OF OAK AND RED MAPLE TO HERBICIDES APPLIED WITH AN INJECTOR. J P Sterrett

Weed Sci 16(2):159-160

Apr 1968 79.8 W41

Acer, Chemical control (weeds), Dicamba, Herbicide application, Phytotoxicity, Picloram, Quercus, T, 2,4,5-, Weed control.

SOIL MOISTURE AND EFFECTIVENESS OF PREEMERGENCE HERBICIDES.

R L Stickler E L Knake T D Hinesly

Weed Sci 17(2):257-259

Apr 1969 79.8 W41

Amiben, Atrazine, Chemical control (weeds), Chloro-N-isopropylacetanilide, 2-, Ethyl N,N-dipropylthiocarbamate, Herbicides, Preemergence, Setaria faberii, Soil moisture, Trifluralin, Weed control.

12744-69

FOLIAR AND ROOT ABSORPTION OF ATRAZINE APPLIED POSTEMERGENCE TO GIANT FOXTAIL.

L Thompson F W Slife

Weed Sci 17(2):251-256 REF

Apr 1969 79.8 W41

Absorption, Atrazine, Foliage, Herbicides Phytotoxicity, Roots, Setaria faberii.

12745-69

WOODY PLANT SHOOT MANAGEMENT AND RESPONSE TO HERBICIDAL TREATMENT. R P Upchurch J A Keaton H D Coble

Weed Sci 17(2):175-180 REF

Apr 1969 79.8 W41

Acer rubrum, D, 2,4-, Herbicides, Persimmons, Phenoxy acid compounds, Plant physiology, T, 2,4,5-, Weed control.

COMPATIBILITY OF CHEMICAL AND MECHANICAL WEED CONTROL METHODS. AND

R P Upchurch F L Selman Weed Sci 16(2):121-130 REF

Apr 1969 79.8 W41

Chemical control (weeds), Cultural control (weeds), Integrated control (weeds), Methodology, Weed control.

LIVESTOCK PROTECTION

DISEASES

ON TRICHINELLOSIS OF ANIMALS IN THE NORTH-EASTERN USSR. (RUS)

Y 1 Afanasiev

Med Parazitol Parazitarn Bolezni 37(3,MAY-JUN):365-366

1968 448.8 M469

Animal diseases, Insect vectors, Larvae, Trichinella spiralis, Trichinosis. English summary

LIVESTOCK PROTECTION

12747-69

12748-69

ANTIGENIC PROPERTIES OF MYCOPLASMA ORGANISMS AND MEMBRANES.

M Argaman S Razin

J Gen Microbiol 55(1):45-58 REF

Jan 1969 448.3 J823

Immunology, Mycoplasma, Proteins, Rabbits, Serological tests.

12749-69

THE ISOLATION OF TWO ENZYMERIBONUCLEIC ACID COMPLEXES INVOLVED IN THE SYNTHESIS OF FOOT-AND-MOUTH DISEASE VIRUS RIBONUCLEIC ACID.

R B Arlinghaus J Polatnick

Nat Acad Sci Proc 62(3):821-828

Mar 1969 500 N2IP

Biochemistry, Enzymes, Foot-and-mouth disease virus, Hamsters, Ribonucleic acid.

12750-69

SLAFRAMINE: A PARASYMPATHOMIMETRIC FROM RHIZOCTONIA LEGUMINICOLA.

S D Aust H P Broquist K L Rinehart Biotechnol Bioeng 10(4):403-412 REF Jul 1968 381 J8224

Acetoxy-8-aminooctahydroindolizidine, I-, Cattle, Culture media, Red clover, Rhizoctonia leguminicola, Toxicology. English summary.

12751-69

RAILLIETINA CESTICILLUS: FATTY ACID COMPOSITION.

H Botero W M Reid

Exp Parasitol 25(1):93-100 REF

Aug 1969 436.8 EX7

Cestoda, Chemical analysis, Chickens, Fatty acids, Linoleic acid, Metabolism, Raillietina cesticillus, Tribolium.

12752-69

PIGEON FAILURE AS VECTOR OF FOWL CHOLERA IN TURKEYS.

J Brown R B Davis D L Dawe

Avian Dis 13(3):670-672

Aug 1969 41.8 AV5

Disease transmission, Fowl cholera, Pigeons, Poultry diseases, Turkeys, Vectors.

12753-69

NONSTAINING PHENYLENEDIMETHYLENE-BIS-(TRIPHENYLPHOSPHONIUM) SALT - IN-ACTIVATED HOG CHOLERA VIRUS VAC-CINE. PATENT 3,455,782.

V J Cabasso M R Stebbins E J Frazza

Us Patent Office Offic Gaz 864(3):923

15 Jul 1969 156.65 OF2

Hog cholera vaccines, Hog cholera virus, Organophosphorus compounds, Patents, Swine.

12754-69

ON THE SPECIFICITY OF SOME HELMINTHS PARASITIZING ANSERIFORMES. (RUS0)

B Caplinsky

Helminthologia 8(1-4):87-91 REF

1967 436.8 H36

Ducks, Geese, Helminthiasis, Surveys. English and German abstract.

12755-69

OBSERVATIONS ON THE ULTRASTRUCTURE OF THE SPINAL CORD, SPLEEN AND LYMPH NODES OF MICE INOCULATED WITH SCRAPIE.

R L Chandler

Res Vet Sci 10(3):292-293

May 1969 41.8 R312

Cells, Cytology, Injections, Lymph nodes, Mice, Scrapie, Spinal cord, Spleen.

12756-69

CONTRIBUTION TO AN IMPROVED DIAGNOSTIC (TEST) FOR BOVINE CYSTICERCO-SIS. (FR00)

l Cironeanu V Popovici Helminthologia 8(1-4):75-78 1967 436.8 H36 Animal physiology, Cattle, Cysticcrcus bovis, Diagnosis, Echinococcosis, Muscles. English, Russian and German abstract.

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2757-69

INTRACELLULAR AVIAN INFECTIOUS BRONCHITIS VIRUS: DETECTION BY FLUORESCENT ANTIBODY TECHNIQUES IN NONAVIAN KIDNEY CELL CULTURES.

M F Coria

Avian Dis 13(3):540-547 REF

Aug 1969 41.8 AV5

Diagnosis, Fluorescent antibody technic, Infectious bronchitis, Poultry diseases, Tissue culture, Virus diseases (animals).

12758-69

SEROLOGICAL SPECIFICITY OF DICTYOCAULUS VIVIPARUS.

R L Cornwell

Helminthologia 8(1-4):79-85

1967 436.8 H36

Antigens, Cattle, Dietyocaulus viviparus, Serological tests, Verminous bronchitis. Russian and German abstracts.

12759-69

IMMUNOCHEMICAL STUDIES OF FOOT-AND-MOUTH DISEASE. IV. PREPARATION AND EVALUATION OF ANTISERA SPECIFIC FOR VIRUS, VIRUS PROTEIN SUB-UNIT AND THE INFECTION-ASSOCIATED ANTIGEN.

K M Cowan

J Immunol 101(6):1183-1191,REF

Dec 1968 448.8 J8232

Antigens, Foot-and-mouth disease, Immunochemistry, Proteins, Serum.

12760-69

VIRAL ENCEPHALITIS OF EQUINES AND DOMESTIC RUMINANTS IN THE NEAR EAST. PART II.

R Daubney

Res Vet Sci 8(4):419-439 REF

Oct 1967 41.8 R312

Borna disease, Equine encephalomyelitis, Horses, Immunization, Ruminants, Virus diseases (animals).

12761-69

THE PERSISTENCE OF MYCOPLASMA MYCOIDES IN THE HOST AFTER VACCINATION WITH TI BROTH VACCINE.

G Davics

Res Vet Sci 10(3):225-231 REF

May 1969 41.8 R312

Cattle, Immunization, Mycoplasma mycoides, Vaccines.

12762-69

CHARACTERIZATION OF MYCOPLASMA PULMONIS VARIANTS ISOLATED FROM RABBITS. I. IDENTIFICATION AND PROPER-TIES OF ISOLATES.

B J Deeb G E Kenny

J Bacteriol 93(4):1416-1424 REF

Apr 1967 448.3 J82

Electron microscopy, Mycoplasma pulmonis, Phase-contrast microscopy, Rabbits, Serological tests.

12763-69

CHARACTERIZATION OF MYCOPLASMA PULMANIS VARIANTS ISOLATED FROM RABBITS. II. BASIS FOR DIFFERENTIATION OF ANTIGENIC SUBTYPES.

B J Dceb G E Kenny

J Bacteriol 93(4):1425-1429 Apr 1967 448.3 J82

Antigens, Immunology, Mycoplasma pulmonis,

12764-69

CHEMOPROPHYLAXIS OF FASCIOLOSIS. (RUS0)

N V Demidov

Helminthologia 8(1-4):103-112

1967 436.8 H36

Drug therapy, Fasciola hepatica, Sheep, Trichlorfon. English and German abstract.

12765-69

ULTRAVIOLET INACTIVATION AND PHOTOREACTIVATION OF AVIAN VIRUSES.

D R Deshmukh B S Pomeroy

Avian Dis 13(3):596-602 REF

Aug 1969 41.8 AV5

Influenza viruses, Poultry diseases, Serological tests, Turkeys, Virus diseases (animals).

12766-69

DIFFERENCES BETWEEN BRUCELLA ANTIGENS INVOLVED IN INDIRECT HEMAG-GLUTINATION TESTS WITH NORMAL AND THINNED RED BLOOD CELLS.

R Diaz L M Jones D Leong J B Wilson

J Bacteriol 94(3):499-505 REF

Sep 1967 448.3 J82

Antigens, Blood cells, Brucella abortus, Hemagglutination, Serological tests.

12767-69

ANTIGENIC RELATIONSHIP OF BRUCELLA OVIS AND BRUCELLA MELITENSIS.

R Diaz L M Jones J B Wilson

J Bacteriol 93(4):1262-1268 REF

Apr 1967 448.3 J82

Antigens, Brucella melitensis, Brucella ovis, Epididymitis, Immunology, Rabbits, Rams, Serological tests.

12768-69

DIAGNOSIS OF CLASSICAL SWINE PLAGUE AND TITRATION OF ANTISERA BY PASSIVE HEMAGGLUTINATION. (FR00)

T V Du D T So

Rec Med Vet 145(7):711-723

Jul 1969 41.8 R24

Antibodies, Hemagglutination, Hog cholera, Methodology, Swinc, Virus diseases (animals), Volumetric analysis. English and Spanish abstracts.

12769-69

PASSIVE TRANSFER OF RESISTANCE TO MAREK'S DISEASE.

T L Feldbush T A Maag

Avian Dis 13(3):677-680

Aug 1969 41.8 AV5

Avian lymphomatosis, Chickens, Immunity, Virus diseases (animals).

12770-69

LOCAL AND REGIONAL APPLICATION OF HYDROGEN PEROXIDE IN THE CONTROL OF CLOSTRIDIAL MYOSITIS IN RABBITS.

J W Finney S Haberman G J Race G A Balla J T Mallams

J Bacteriol 93(4):1430-1437 REF

Apr 1967 448.3 J82

Clostridium perfringens, Hydrogen peroxide, Inflammation, Muscles, Rabbits.

12771-69

THE EFFECT OF HYDROCHLORIC ACID AND GASTRIC JUICE ON SOME MORPHOLOGICAL CHANGES OF TRICHOMONAS INTESTINALIS.

J Glebski

Acta Parasitol Polon 16(1-19):127-130 REF

15 Feb 1969 436.8 AC8

Animal diseases, Gastrointestinal system, Hydrochloric acid, Morphology, Protozoa, Secretions, Trichomonas.

12772-69

AGAR GEL AND IMMUNOELEC-TROPHORETIC ANALYSIS OF SEVERAL STRAINS OF TRYPANOSOMA CRUZI.

S M Gonzalez-Cappa I G Kagan

Exp Parasitol 25(1):50-57 REF

Aug 1969 436.8 EX7
Antigens, Electrophoresis, Immunity,
Trypanosoma cruzi.

BOVINE BABESIOSIS: THE IMMUNITY OF CALVES TO BABESIA BIGEMINA INFECTION. W T K Hall L Tammemagi L A Y Johnston Australian Vet J 44(6):259-264 REF

Jun 1968 41.8 AU72

Babesia bigemina, Calves, Immunity, Livestock diseases, Piroplasmosis.

12774-69

GROWTH CURVES IN PIG KIDNEY CELLS OF THREE PORCINE ADENOVIRUSES.

W M Henderson R J Colwill Res Vet Sci 10(3):299-301 May 1969 41.8 R312

Cells, Complement fixation, Kidneys, Swine, Swine adenovirus, Virus diseases (animals).

THE EFFECT OF DIET ON THE INCIDENCE OF INDUCED KETOSIS IN THE LACTATING DAIRY COW

K G Hibbitt D Neill P Radford Res Vet Sci 10(3):245-253 REF May 1969 41.8 R312

Cattle, Dairy cattle, Deficiency diseases, Feeding, Ketosis, Lactation.

12776-69

CHICKEN EMBRYO LETHAL ORPHAN VIRUS: VIRUS LOCALIZATION ANI HISTOPATHOLOGY IN CHICKEN EMBRYOS.

V Jasty P W Chang L T Miller V J Yates Avian Dis 13(3):519-527 REF

Aug 1969 41.8 AV5

Animal histology, Chicken embryo lethal orphan virus, Chickens, Embryos, Poultry diseases.

TITRATION OF INFECTIOUS BRONCHITIS VIRUS IN TRACHEAS OF SUSCEPTIBLE AND IMMUNE CHICKENS.

R B Johnson J A Newman F K Wills Avian Dis 13(3):632-635 REF

Aug 1969 41.8 AV5

Chickens, Immunity, Infectious bronchitis virus, Poultry diseases, Trachea, Virus diseases (animals), Volumetric analysis.

12778-69

THE EFFECT OF BLOCKADE AND STIMULA-TION OF THE RETICULO-ENDOTHELIAL SYSTEM ON THE DEVELOPMENT OF EX-PERIMENTAL TUBERCULOSIS. HISTOCHEMICAL STUDY. II. STUDIES ON MYCOBACTERIUM TUBERCULOSIS (BCG).

Folia Histochem Cytochem 6(3):405-432 1968 385 F71

Histochemistry, Immunity, Laboratory animals, Mycobacterium tuberculosis, Reticuloendothelial system, Vaccines. Russian summary.

THE EFFECT OF BLOCKADE AND STIMULATION OF THE RETICULO-ENDOTHELIAL SYSTEM ON THE DEVELOPMENT OF EX-PERIMENTAL TUBERCULOSIS. A TUBERCULOSIS. HISTOCHEMICAL STUDY. I. MYCOBACTERI-UM TUBERCULOSIS AVIUM.

J Kotz

Folia Histochem Cytochem 6(3):355-403 REF 1968 385 F71

Histochemistry, Immunity, Laboratory animals, Mycobacterium tuberculosis. Reticuloendothelial system, Tuberculosis. Russian summary.

THERMAL RESISTANCE OF SALMONELLA SENFTENBERG 775W IN DRY ANIMAL FEEDS.

T S Liu G H Snoeyenbos V L Carlson Avian Dis 13(3):611-631 REF Aug 1969 41.8 AV5

Bone meal, Disease transmission, Feeds, Meat, Salmonella senftenberg, Spores, Temperature.

12781-69

TRYPANOSOMA CRUZI: EFFECTS GAMMA RADIATION ON GROWTH AND IN-FECTIVITY

R Martinez-Silva V A Lopez J I Colon J Chiriboga

Exp Parasitol 25(1):162-170 REF

Aug 1969 436.8 EX7

Gamma rays, Physiology, Reproduction, Tissue culture, Trypanosoma cruzi.

SERUM PROTEIN CHANGES IN CHICKENS SUBSEQUENT TO INFECT HISTOMONAS MELEAGRIDIS. INFECTION WITH

L R McDougald M F Hansen Avian Dis 13(3):673-677

Aug 1969 41.8 AV5

Blood proteins, Chickens, Histomonas meleagridis, Immunochemistry, Poultry diseases, Serological

12783.69

ANTIGENIC TYPE OF FIRST RELAPSE VARI-ANTS ARISING FROM A STRAIN OF TRYPANOSOMA (TRYPANOZOON) BRUCEI. G J C McNeillage W J Herbert W H R Lumsden

Exp Parasitol 25(1-3):1-7 REF

Aug 1969 436.8 EX7

Antigens, Clones, Immunity, Serological tests, Tissue culture, Trypanosoma brucei.

STUDIES ON THE CONTROL O MYCOPLASMA MELEAGRIDIS IN TURKEYS. Y S Mohamed E H Bohl

Avian Dis 13(3):440-446 REF

Aug 1969 41.8 AV5

Eggs, Mycoplasma meleagridis, Poultry diseases, Serological tests, Turkeys, Tylosin.

TRICHINELLA SPIRALIS: ESTABLISHMENT IN GNOTOBIOTIC MICE AFFECTED BY BACILLUS MESENTERICUS, B. SUBTILIS.

Z W Przyjalkowski R B Wescott Exp Parasitol 25(1-3):8-12 REF

Aug 1969 436.8 EX7

Bacillus, Bacillus subtilis, Bacteriology, Germ-free life, Mice, Pseudomonas aeruginosa, Trichinella spiralis.

12786-69

SEVERE COCCIDIOSIS IN A BREEDER FLOCK FOLLOWING HIGH-LEVEL MEDICATION FOR MYCOPLASMA AND COCCIDIA CONTROL.

W M Reid R B Davis Avian Dis 13(3):447-452 Aug 1969 41.8 AV5

Chickens, Chlortetracycline, Coccidiosis, Drug therapy, Eimeria, Mycoplasma, Tylosin, Zoalene.

EXPERIMENTALLY INDUCED MYCOPLASMA MELEAGRIDIS INFECTION OF TURKEY REPRODUCTIVE TRACTS.

K R Rhoades

Avian Dis 13(3):508-519 REF

Aug 1969 41.8 AV5

Antibodies, Mycoplasma meleagridis, Poultry diseases, Reproductive organs, Turkeys.

12788-69

PRENATAL IMMUNIZATION OF THE LAMB TO BRUCELLA: DISSOCIATION OF IMMUNOCOMPETENCE AND REACTIVITY.

M Richardson C C Beck D T Clark

J Immunol 101(6):1363-1366

Dec 1968 448.8 18232

Antibodies, Brucella abortus, Immunization, Lambs, Sheep.

12789-69

OBSERVATIONS OF SYSTEMIC AND LOCAL-IZED INFECTION ASSOCIATED WITH THE ISOLATION OF STAPHYLOCOCCUS IN CHICKENS IN NORTH CAROLINA. S P Sahu D A Munro Avian Dis 13(3):684-689

Aug 1969 41.8 AV5

Chickens. Diagnosis. Staphylococcus aureus.

Poultry diseases.

12790-69
ATTENUATION OF THE HOG CHOLERA
VIRUS BY CONTINUOUS CELL-VIRUS
PROPAGATION. III. GROWTH INTERFERENCE OF NEWCASTLE DISEASE VIRUS
BY ATTENUATED HOG CHOLERA VIRUS
AND ITS APPLICATION TO VIRUS TITRATION AND THE NEUTRALIZATION TEST.

U Sato T Hanaki K Nobuto

Arch Gesamte Virusforsch 26(1-2):1-10

Feb 1969 448.3 AR23

Cells, Hog cholera virus, Immunodiagnosis, Interference phenomenon, Newcastle disease virus, Tissue culture, Volumetric analysis.

12791-69

GROWTH OF PATHOGENIC LEPTOSPIRA IN CHEMICALLY DEFINED MEDIA.

E Shenberg

J Bacteriol 93(5):1598-1606 REF

May 1967 448.3 J82

Culture media, Leptospira.

12792.69

PLASMODIUM LOPHURAE: PLASMODIUM LOPHURAE: (U-C14)-GLU-COSE CATABOLISM BY FREE PLASMODIA AND DUCKLING HOST ERYTHROCYTES.

I W Sherman J A Ruble 1 P Ting Exp Parasitol 25(1):181-192 REF

Aug 1969 436.8 EX7

Chemical analysis, Ducks, Erythrocytes, Glucose, Metabolism, Plasmodium lophurae.

TWO DIFFERENT TYPE A INFLUENZA VIRUS INFECTIONS IN TURKEYS IN WISCONSIN II. 1968 OUTBREAK.

L K Smithies F G Emerson S M Robertson D D

Avian Dis 13(3):606-610

Aug 1969 41.8 AV5

Antibodies, Disease Antibodies, Disease transmission, Influenza viruses, Poultry diseases, Turkeys.

12794-69

SALMONELLA INFECTIONS OF THE OVARY AND PERITONEUM OF CHICKENS. G H Snoeyenbos C F Smyser H Van Roekel

Avian Dis 13(3):668-670 Aug 1969 41.8 AV5

Chickens, Ovaries, Peritoneum, Poultry diseases, Salmonellosis.

12795-69

DERMATOPHYTES IN VETERINARY PRAC-

M A Soltys G Sumner-Smith Can Vet J 10(4):111-116 REF

Apr 1969 41.8 R3224 Chemical control (animal diseases), Fungi, Fungi-

cides, Griseofulvin, Livestock diseases, Microsporum, Mycosis, Pets, Quarantine, Ringdiseases, worm, Sanitation, Skin diseases, Trichophyton, Vitamin A. French summary.

12796-69

GROWTH INHIBITION TEST FOR IDENTIFI-CATION OF MYCOPLASMA SPECIES UTILIZ-ING DRIED ANTISERUM-IMPREGNATED PAPER DISCS.

E Stanbridge L Hayflick

J Bacteriol 93(4):1392-1396 REF

Apr 1967 448.3 J82

Antiserum, Bacteriology, Mycoplasma, Plant physiology.

12797-69

IMMUNIZATION OF CHICKENS AGAINST NEWCASTLE DISEASE WITH BETA-PROPIOLACTONE-KILLED VIRUS ANTIGEN ADMINISTERED IN DRINKING WATER.

H D Stone A E Ritchie W A Boney Avian Dis 13(3):568-578 REF

Aug 1969 41.8 AV5

Antigens, Chickens, Immunization, Newcastle diseasc virus, Poultry diseases, Serological tests,

12798-69

SUSCEPTIBILITY OF VARIOUS STRAINS OF CHICKEN TO THE ONCOGENICITY OF YABA VIRUS.

H V Strandstrom J L Ambrus J W Pickren Experientia 25(7):769-771

15 Jul 1969 475 EX7

Chick embryos, Disease transmission, Infectious discases, Oncogenic viruses, Yaba monkey tumor virus.

12799-69

EIMERIA TENELLA: TEMPERATURE AND ASEXUAL DEVELOPMENT IN CELL CULTURE.

R G Strout C A Ouellette Exp Parasitol 25(1):324-328

Aug 1969 436.8 EX7

Ascxual reproduction, Eimeria tenella, Physiology, Temperature, Tissue culture.

12800-69

SYNCYTIA FORMATION OF MOSQUITO CELL CULTURES MEDIATED BY TYPE 2 DENGUE VIRUS.

E.C. Suitor F. I. Paul.

Yale J Biol Med 38(3):482-485 REF

Jul 1969 448.8 Y1

Aedes albopictus, Cytopathology, Ephemeral fever, Tissue culture, Virus diseases (animals).

AUTOIMMUNE REACTIONS OF CHICKENS INFECTED BY PLASMODIUM GALLINACE-UM.

I P Szilvassy J P Kreier M Ristic Avian Dis 13(3):528-534 REF

Aug 1969 41.8 AV5

Antibodies, Chickens, Immunity, Plasmodium gallinaceum, Poultry diseases.

EFFECT OF DIETHYLAMINOETHYL ON THE GROWTH DEXTRAN MYCOPLASMA IN AGAR.

N M Tauraso

J Bacteriol 93(5):1559-1564 REF

May 1967 448.3 J82

Agar, Culture media, Diethylaminoethyl dextran, Mycoplasma, Nutrition.

12803-69

PAM 1392 (2,4-DIAMINO-6-(3,4-PAM 1592 (2,4-DIAMINO-0-(3,4-DICHLOROBENZYLAMINO) QUINAZOLINE) AS A CHEMOTHERAPEUTIC AGENT: PLASMODIUM BERGHEI, P. CYNOMOLGI, P. KNOWLESI, aND TRYPANOSOMA CRUZI.

P E Thompson A Bayles B Olszewski

Exp Parasitol 25(1-3):32-49 REF

Aug 1969 436.8 EX7

Drug resistance, Drug therapy, Mice, Monkeys, Plasmodium, Plasmodium berghei, Plasmodium knowlesi, Trypanosoma cruzi.

THE INACTIVATION OF ERYSIPELOTHRIX RHUSIOPATHIAE IN MACROPHAGES FROM NORMAL AND IMMUNE MICE.

J Timoney

Res Vet Sci 10(3):301-302

May 1969 41.8 R312

Erysipelothrix rhusiopathiae, Immunity, Macrophages, Mice.

12805-69

CHICKEN-EMBRYO-ADAPTED DUCK HEPATITIS VIRUS GROWTH CURVE IN EMB-RYONATED CHICKEN EGGS.

T.E. Toth

Avian Dis 13(3):535-539 REF

Aug 1969 41.8 AV5

Chickens, Ducks, Eggs, Embryology, Hepatitis, Poultry diseases, Virus diseases (animals).

ENHANCEMENT AND INHIBITION OF AVIAN SARCOMA VIRUSES BY POLYCATIONS AND POLYANIONS. (0)

K Toyoshima P K Vogt

Yale J Biol Med 38(3):414-426 REF

Jul 1969 448.8 Y1

Avian tumor virus, Chicks, Ions, Poultry discases, Tissue culture, Virus neutralization.

PREPARATION OF MYCOPLASMA SYNOVIAE HEMAGGLUTINATION-INHIBITION.

T H Vardaman H W Yoder

Avian Dis 13(3):654-661

Aug 1969 41.8 AV5

Antigens. Hemagglutination-inhibition Mycoplasma synoviac, Poultry diseases, Scrological tests.

12808-69

DIAGNOSIS OF SPIROCHAETOSIS OF POULTRY BY SLIDE AGGLUTINATION AND SPIROCHAETE IMMOBILIZATION TESTS.

K C Verma B S Macik

Cur Sci 37(6):170-171

20 Mar 1968 475 SCI23

Agglutination, Diagnosis, Poultry diseases. Serological tests, Spirochetosis.

IMMUNITY RESPONSE TO THE INFECTIOUS BURSAL AGENT.

R W Winterfield

Avian Dis 13(3):548-557

Aug 1969 41.8 AV5

Bursal agent (IBA), Chickens, Immunity, Immunization, Poultry diseases, Serological tests, Virus diseases (animals).

PLASMODIUM GALLINACEUM: CHICKEN ERYTHROCYTE SURVIVAL AS DETERMINED BY SODIUM RADIOCHROMATE AND DI-ISOPROPYLFLUOROPHOSPHATE LABELING. R H Wright J Kreier

Exp Parasitol 25(1):339-352 REF

Aug 1969 436.8 EX7

Chickens, Erythrocytes, Phosphates, Plasmodium gallinaceum, Radioactive tracers, Sodium chro-

12811-69

SEROLOGICAL AND BIOLOGICAL STUDY ON TOXOPLASMIC INFECTION CHICKENS FROM THE VICINITY OF ROME. O Zardi G Giorgi E Samochowiec R Del Vecchio

Acta Parasitol Polon 16(1-19):1-8 REF

15 Feb 1969 436.8 AC8

Chickens, Protozoa, Serological tests, Toxoplasma gondii.

ARTHROPODS

ARTHROPODS IN THE DIET OF THE CATTLE EGRET, BUBULCUS IBIS, IN SOUTHERN LOUISIANA.

E C Burns J B Chapin

J Econ Entomol 62(3):736-738 16 Jun 1969 421 J822

Arthropoda, Birds, Cattle, Insect pests, Insects, Natural control (insects), Orthoptera, Tabanus.

FLY CONTROL IN CAGE LAYER HOUSES.

R L Combs

Miss Farm Res 33(5):2,3 May 1969 100 M69M1

Baits, Chemical control (insects), Copper, O-methyl Dichlorophenyl 0-2 isopropylphosphoramidothioate, Dimethoate, Insect pests, Insecticides, Musca domestica, Organophosphorus compounds, Poultry, Ronnel, Spraying.

PARASITES

12814-69

INTRADERMAL TESTS AND SEROLOGICAL REACTIONS WITH ANTIGENS OF TRICHIN-ELLA SPIRALIS IN PERSONS INFESTED BY DIFFERENT FORMS OF PARASITES. (RUS0)

A Adonatlo Z Gancaz Z Dymovska V Zapart Helminthologia 8(1-4):23-30

1967 436.8 H36

Antigens, Diagnosis, Human diseases, Intestines, Serological tests, Trichinella spiralis. English and German abstract.

12815-69

ALLERGIC SYMPTOMS IN THE CLINICAL PICTURE OF ECHINOCOCCOSIS. (GE00)

F Ambrosic

Helminthologia 8(1-4):31-35

1967 436.8 H36

Animal physiology, Antibodics, Diagnosis, Echinococcosis, ococcosis, Human diseases, Hypersensitivity, Scrological tests. English and Russian abstract.

12816-69

INHIBITION OF OSTERTAGIA OSTERTAGI AT THE EARLY FOURTH LARVAL STAGE. I. THE SEASONAL INCIDENCE.

J Armour F W Jennings G M Urquhart Res Vet Sci 10(3):232-237 REF

May 1969 41.8 R312

Calves, Nematodes, Ostertagia ostertagi, Pastures, Physiology.

12817-69

THE ANTIGEN-ANTIBODY REACTIONS IN THE HELMINTHIASES.

F J de Azevedo

Helminthologia 8(1-4):133-145

1967 436.8 H36

Antibodies, Antigens, Helminthiasis, Serological

12818-69

SANITATION OF A FOWL-FLOCK FROM THE GEOHELMINTH HETERAKIS GALLINARUM. (RUS0)

V Birova-volosinovicova

Helminthologia 8(1-4):37-46

1967 436.8 H36

Drug therapy, Heterakis gallinarum, Poultry diseases, Poultry farm management. English and German abstract.

12819-69

EXPERIMENTAL INFECTION OF CALVES WITH FASCIOLA GIGANTICA.

P K Bitakaramire O Bwangamoi

Exp Parasitol 25(1):353-357

Aug 1969 436.8 EX7 Anemia, Calves, Diagnosis, Fasciola gigantica.

12820-69

ON THE EVIDENCE OF INFESTATION ABILITY OF ASCARID EGGS (ASCARIS SUUM GOEZE,1782) IN STRANGE HOSTS. (GE00)

R Buchwalder

Helminthologia 81 (1-4):53-56

1967 436.8 H36 Animal disease transmission, Ascaris lumbricoides suum, Eggs, Mice, Nematodes. English and Russian

12821-69

LIPID METABOLISM IN HELMINTH PARASITES. VII. TRIGLYCERIDE SYNTHESIS IN HYMENOLEPIS DIMINUTA (CESTODA).

G H Buteau D Fairbairn

Exp Parasitol 25(1):265-275 REF

Aug 1969 436.8 EX7

Cestoda, Glycerides, Hymenolepis diminuta, Lipids, Metabolism, Radioactive tracers, Synthesis.

ON THE FOCUS OF TRICHINELLOSIS OF WITH EPIDEMIOLOGIC IMPLICA-TIONS. (FR00)

l Cironeanu H Tomutia

BIBLIOGRAPHY

Helminthologia 8(1-4):71-74

1967 436.8 H36

Chloramphenicol, Drug therapy, Epidemiology, Human diseases, Nematodes, Surveys, Swine, Trichinosis. English, German and Russian abstract.

12823-69

THE ACTIVITY OF ALKALINE PHOSPHATASE IN THE DUCK INTESTINE DURING EXPERIMENTAL ECHINOSTOMATO-SIS. (RU)

F Ciuniene

Acta Parasitol Lithuanica 8:81-94 REF 1968 436.9 AC8

Alkaline phosphatase, Ducklings, Echinostoma revolutum, Enzymes, Helminthiasis, Intestines, Metabolism. English and Lithuanian abstracts.

AN EFFECTIVE ANTHELMINTIC IN TREAT-MENT OF QUAIL INFECTED WITH CAPIL-LARIA CONTORTA.

R B Davis R E Good J T Tumlin J Brown Avian Dis 13(3):690-691

Aug 1969 41.8 AV5

Anthelmintics, Capillaria, Hydroxynaphthalimide diethyl phosphate, N-, Nematodes, Quail.

EFFECTIVENESS OF MARETIN AND MEL-DANE AS TREATMENTS FOR CAPILLARIASIS IN BOBWHITES.

D L Dawe J Brown R B Davis F E Kellogg

Avian Dis 13(3):662-667 Aug 1969 41.8 AV5

Anthelmintics, Capillaria, Drug therapy, Hydroxynaphthalimide diethyl phosphate, N-, Meldane, Quail, Wildlife diseases.

12826-69

EXPERIMENTAL FASCIOLIASIS IN SMALL MAMMALS: APPARENT EFFECTS OF BITHIONOL ON FASCIOLA HEPATICA IN RATS.

B Dawes

Helminthologia 8(1-4):97-101

1967 436.8 H36

Bithionol, Drug therapy, Egg production, Fasciola hepatica, Physiology, Rats.

12827-69

PROTECTIVE ACTION OF PASSIVELY TRANSFERRED IMMUNE SERUM AND IMMU-NOGLOBULIN FRACTIONS AGAINST TISSUE INVASIVE STAGES OF THE DWARF TAPEWORM, HYMENOLEPIS NANA.

J J Di Conza

Exp Parasitol 25(1):368-375 REF

Aug 1969 436.8 EX7

Globulins, Hymenolepis nana, Immunity, Mice, Physiology, Serological tests.

12828-69

GROWTH RATE OF TWO TAENIA CRAS-SICEPS STRAINS.

F J Dorais G W Esch

Exp Parasitol 25(1):395-398

Aug 1969 436.8 EX7

Field mice, Foxes, Physiology, Population, Reproduction, Taenia.

12829-69

HYMENOLEPIS DIMINUTA: EFFECT OF QUALITY OF HOST DIETARY CARBOHYDRATE ON GROWTH.

L C Dunnkley D F Mettrick

Exp Parasitol 25(1):146-161 REF

Aug 1969 436.8 EX7

Carbohydrates, Cestoda, Hymenolepis diminuta, Nutrition, Physiology, Rats, Starches.

ON THE SPECIFICITY OF SOME SPECIES OF THE SUBORDER RHABDITATA. (RUS0)

M Dziuban

Helminthologia 8(1-4):121-125

1967 436.8 H36

Animal diseases, Helminthiasis, Rhabditis, Surveys.

THE INFLUENCE OF THE BIOTOPES ON HEL-MINTH SPECIFICITY. (GE00)

B Erhardova-Kotrla

Helminthologia 8(1-4):127-132

1967 436.8 H36

Biotypes, Ecology, Helminthiasis, Zoogeography.

THE UBIOUITY OF PARAM-PHISTOMAITES IN THE UNGULATA. (FR00) S Gretillat

Helminthologia 8(1-4):161-169

1967 436.8 H36

Animal diseases, Animal physiology, Surveys, Trematodiasis, Zoogeography. English, german and Russian abstract.

SPECIFICITY ANGIOSTRONYLUS IN VASORUM (BAILLET, 1866). (FR00)

I Guilhon

Helminthologia 8(1-4):171-172

1967 436.8 H36

Dogs, Helminthiasis, Physiology.

ON A NEW CESTODE, RAILLIETINA (RAIL-LIETINA) STREPTOPELIAE SP. N. FROM RED TURTLE DOVE, STREPT TRANQUEBARICA TRANQUEBARICA. STREPTOPELIA

N K Gupta S S Grewal

Acta Parasitol Polon 16(1-19):73-75 REF 15 Feb 1969 436.8 AC8

Cestoda, Pigeons, Raillietina, Taxonomy.

AFFECTING THE QUALITY OF WOOL IN MERINO-SHEEP BY ARTIFICIAL INFESTA-TION WITH SOME GASTRO-INTESTINAL NE-MATODES, NA GYLIODES. (GE00) NAMELY TRICHOSTRON-

T H Heipe

Helminthologia 8(1-4):173-176

1967 436.8 H36

Gastrointestinal system, Livestock diseases, Sheep, Trichostrongylidae, Wool. English and Russian abstract.

BASIC FACTORS CONDITIONING SPECIFICITY OF THE HELMINTH INVASION CYCLE.

I Horvorka

Helminthologia 8(1-4):177-180

1967 436.8 H36

Biology, Helminthiasis, Infestation, Physiology.

THE HELMINTH PARASITES OF HIRUNDINIDAE OF THE NEIGHBORHOOD OF WARSAW AND OLSZTYN.

W Jaron Acta Parasitol Polon 16(1-19):137-152 REF 15 Feb 1969 436.8 AC8

12838-69

THE DEVELOPMENT OF AMIDOSTOMUM ANSERIS (ZEDER, 1800) IN THE ORGANISM OF COLUMBA LIVIA DOMI. (RUS0)

W Jaron

Helminthologia 8(1-4):195-199

Birds, Helminths, Surveys.

1967 436.8 H36

Animal disease transmission, Geese, Helminthiasis, Larvae, Physiology, Pigeons. English and German abstract.

ECHINOCOCCUS GRANULOSUS: ULTRAS-TRUCTURE OF MICROTRICHES.

R K Jha J D Smyth

Exp Parasitol 25(1):232-244 REF

Aug 1969 436.8 EX7

Cytology, Echinococcus granulosus, Electron microscopy, Gastrointestinal system.

12840-69

CHEMOPROPHYLACTIC SANITATION OF EN-TEROBES. (GE00)

R Juranyi M Misloczky

Helminthologia 8(1-4):215-221

1967 436.8 H36

Drug therapy, Helminthiasis, Human diseases, Piperazine. English and Russian abstract.

HOST SPECIFICITY AS EVIDENCED BY SPECIES OF FASCIOLA.

S B Kendall

Helminthologia 8(1-4):223-233

1967 436.8 H36

Eggs, Fasciola hepatica, Infestation, Longevity, Mollusks.

ROUND WORM INFESTATION IN CALVES.

R H Khouri J L Mannering J W Moxham

New Zeal J Agr 119(1):38-39,41

Jul 1969 23 N48J

Ascaris, Calves, Food habits, Gastrointestinal system, Pasture management, Surveys.

SEASON DYNAMICS OF THE INFESTATION CYCLE OF CYSTICERCUS BOVIS IN NATU-RALLY INFESTED CATTLE. (GE00)

K Koudela

Helminthologia 8(1-4):261-268

1967 436.8 H36

Biology, Cattle, Cysticercus bovis, Population. English and Russian abstract.

SPECIFICITY OF THE INTESTINAL STAGE IN DEVELOPMENT OF TRICHINELLA SPIRALIS. (GE00)

M Kozar Z Kozar

Helminthologia 8(1-4):269-272

1967 436.8 H36

Infestation, Intestines, Livestock diseases, Nematodes, Physiology, Trichinella spiralis. German and Russian abstract

12845-69

THE ROLE OF PHYLOGENY AND ECOLOGY OF HELMINTH AND HOST IN THE FORMATION OF HELMINTH FAUNA IN ANIMALS.

B E Kurashvili

Helminthologia 8(1-4):283-288

1967 436.8 H36

Biology, Ecology, Evolution, Helminthiasis, Heterakis gallinarum, Raillietina.

ON THE SPECIFITY OF THE TAPEWORM ECHINOCOCCUS GRANULOSUS (BATSCH, 1786). (GE00)

R Lubke

Helminthologia 8(1-4):305-307

1967 436.8 H36

Animal disease transmission, Cats, Cysts, Dogs, Echinococcus granulosus, Foxes. English and Russian abstract.

12847-69

ON THE HOST SPECIFICITY OF ASCARIDS OF HUMAN AND PIG ORIGIN.

Helminthologia 8(1-4):309-312 REF

1967 436.8 H36 Animal disease transmission, Ascariasis, Human diseases, Parasitism, Swine.

ON THE SPECIFICITY OF THE NEMATODE TRICHOCEPHALUS SUIS SCHRANK, 1788. (RUSO)

A K Medzevicius

Helminthologia 9(1-4):391-397 REF

1968 436.8 H36

Animal disease transmission, Antigens, Immunodiagnosis, Parasitism, Physiology, Swine, Trichuriasis. English and German abstract.

LIVESTOCK PROTECTION

12849-69

12849-69

RELATION AMONG LIVER FLUKE POPULA-TIONS IN CATTLE AND THE RESULTS OF COPROLOGICAL EXAMINATIONS. (FR00)

Helminthologia 9(1-4):399-403

1968 436.8 H36

Cattle, Clonorehis, Dierocoelium, Egg production, Faseiola, Livestoek diseases, Opisthorehis, Population, Surveys. Russian and German abstract.

ADAPTATION OF SOME MAMMALIAN HEL-THE LIGHT OF MINTHS IN HEL-MINTHOCOENOSES.

I Mitueh

Helminthologia 9(1-4):405-408

1968 436.8 H36

Eeology, Helminthiasis, Mammals, Parasitism, Population.

INVASION EXPERIMENTS WITH TRICHINEL-LA SPIRALIS IN FOWLS. (RUSO)

L Nemeseri

Helminthologia 9(1-4):417-420

1968 436.8 H36

Animal disease transmission, Chickens, Immunity, Muscles, Nematodes, Poultry diseases, Trichinella spiralis. German abstract.

12852-69

PARATENIC PARASITISM AS AN INDICATOR OF THE SPECIFICITY OF THE DEFINITE HOST IN SOME TREMATODES. (GE00)

K Odening

Helminthologia 9(1-4):429-435

1968 436.8 H36

Animal diseases, Biology, Birds, Immunity, Larvae, Parasitism, Trematoda, Trematodiasis. English and Russian abstract.

12853-69

GLUCOSE UPTAKE IN HAEMATOLOECHUS MEDIOPLEXUS AND GORGODERINA TRE-MATODES.

T A Parkening A D Johnson

Exp Parasitol 25(1):358-367 REF

Aug 1969 436.8 EX7

Absorption, Glucose, Metabolism, Physiology, Trematoda.

12854-69

THE HOMEOSTASIS OF THE HOST AND THE DEVELOPMENT OF THE PARASITE.

Z Pawlowski

Helminthologia 9(1-4):463-466

1968 436 8 H36

Animal physiology, Biochemistry, Corticotropin, Hormones, Parasitism, Rats, Somatotropin, Trichinosis.

PARASITE SPECIFICITY AS THE RESULT OF ECOLOGICAL PARASITE-HOST RELATIONS. (RUS0)

J Prokopie

Helminthologia 9(1-4):491-496 REF

1968 436.8 H36

Cestoda, Distribution, Eeology, Parasitism, Reviews. English and German abstract.

AND **PATHOMORPHOLOGICAL** HISTOCHEMICAL STUDIES OF LIVERS OF SHEEP EXPERIMENTALLY INFECTED WITH THE LIVER FLUKE.

B Rubaj S Furmaga

Acta Parasitol Polon 16(1-19):77-81 REF

15 Feb 1969 436.8 AC8

Animal morphology, Faseiola hepatica, Histochemistry, Pathology, Sheep.

THE SPECIFICITY OF HELMINTHS FROM AN ECOLOGICAL ASPECT.

B Rysavy

Helminthologia 9(1-4):507-510 REF

1968 436.8 H36

Birds, Diet, Ecology, Helminthiasis, Parasitism, Poultry, Wildlife. English and German abstract.

BIBLIOGRAPHY

SPIRURATA OF ANIMALS AND HUMANS AND THEIR DISEASES, (RUS)

A A Skryabine A A Sobolev B M Ivashkin Akad Nauk Sssr Gelmintol Lab Tr 16(4):5-624 REF

1967 436.9 AK1

Animal diseases, Diagnosis, Histology, Human diseases, Morphology, Nematodes, Spiruridae, Taxonomy

CRITICAL TRIALS ON THE EFFICACY OF THIABENDAZOLE AGAINST OSTERTAGIA OSTERTAGI, COOPERIA ONCOPHORA, AND NEMATODIRUS HELVETIANUS.

H J Smith R M Arehibald Can Vet J 9(3):57-60 REF

Mar 1968 41.8 R3224

Anthelmintics, Cattle, Cooperia oneophora, Helminthiasis, Nematodes, Nematodirus helvetianus, Ostertagia ostertagi, Thiazolyl)-benzimidizole, 2-(4-. French summary.

METASTRONGYLOSIS OF SWINE ORIGINAT-ING FROM THE LUBLIN PALATINATE.

K Sobieszewski

Acta Parasitol Polon 16(1-19):91-95 REF

15 Feb 1969 436.8 AC8

Animal morphology, Histochemistry, Metastrongylus, Pathology, Swine.

1286 I-69

STUDIES ON IMMUNITY OF CALVES TO DIC-TYOCAULUS VIVIPARUS REINFECTION. V. SEROLOGICAL STUDIES ON EXPERIMENTAL DICTYOCAULOSIS CAUSED BY NORMAL AND X-RAY INACTIVATED LARVAE.

M Swietlikowski

Acta Parasitol Polon 16(1-19):101-115 REF 15 Feb 1969 436.8 AC8

Calves, Dietyoeaulus viviparus, Immunity, Larvae, Serological tests.

12862-69

STUDIES ON THE CONTROL OF GALBA TRUNCATULA IN LARGE PASTURES, II. THE EFFECT OF SNAIL CONTROL ON THE EX-TENSIVENESS OF INFECTION IN CATTLE.

S Tarczynski L Szepelski

Acta Parasitol Polon 16(1-19):117-120 15 Feb 1969 436.8 AC8

Cattle, Copper sulfate, Fasciola hepatica, Molluseaeides, Pastures, Pest control, Snails.

12863-69

IMMUNITY TO PARASITES.

A E R Taylor

Brit Soc Parasitol Symp 6,118 P, REF 1968 436 9 B77

Blood, Eimeria, Helminthiasis, Helminthology, Immunity, Immunization, Intestines, Livestoek diseases, Parasitism, Protozoa, Tissues.

Includes: Immunity, by R.R.A. Coombs; Immunity to tissue Protozoa, by F.E.G. Cox; Aequired immunity to blood parasitic Protozoa, by G.A.T. Targett; inty to blood parasitic Protozoa, by G.A.T. Targett, Immunity to the Eimeria, by M.E. Rose; Immunity to intestinal helminths, the 'self-cure' reaction, by W. Mulligan; Immunity to blood helminths, by S.R. Smithers; Immunity to helminths associated with the tissues, by J.F. Michel; The application of immunology to helminth diseases, by R.J. Terry; Chairman's closing remarks, by J.H. Humphrey.

ECOLOGICAL SPECIFICITY OF INTER-MEDIATE HOSTS OF THELAZIA IN CATTLE AND THE RELATION OF THEIR INFECTIVE LARVAE TO SOME UNUSUAL HOSTS.

I Vilagiova

Helminthologia 9(1-4):563-566

1968 436.8 H36

Cattle, Eeology, Insect vectors, Larvae, Musca, Surveys, Thelazia. Russian and German abstract.

FASCIOLIASIS OF RUMINANTS IN JAPAN.

S Watanabe

Jara 2(2):22-27

1967 \$19 13

Diagnosis, Drug therapy, Fascioliasis, Livestock diseases, Nematode infestation, Parasitism, Rumi-

12866-69

THE HOST SPECIFICITY ON OF PARTHENOGENETIC STAGES OF FASCIOLA HEPATICA UNDER LABORATORY CONDI-TIONS.

T Wilkerhauser M Zukovie

Hehninthologia 9(1-4):567 571 REF

1968 436.8 H36

Animal disease transmission, Biology, Fasciola hepatica, Parthenogenesis, Snails. Russian, French and German abstract.

THE EVALUATION OF FRACTIONATED ANTIGENS OF TRICHINELLA SPIRALIS IN COM-PLEMENT FIXATION AND RING PRECIPITA-TION TESTS.

W Zapart A Adonajlo Z Gancarz

Acta Parasitol Polon 16(1-19):9-18 REF

15 Feb 1969 436.8 AC8

Antigens, Complement fixation, Larvae, Precipitin test, Serological tests, Trichinella spiralis.

SPECIFICITY OF THE PARASITES FROM THE ECOLOGICAL POINT OF VIEW. (GE00)

1 Zmorav

Helminthologia 9(1-4):585-608

1968 436.8 H36

Ecology, Helminthiasis, Nomenclature, Parasitism, Reviews, Statistical analysis. English and Russian abstract.

COMMODITY PROTECTION

STORAGE DISEASES

12869-69

EFFECT OF RELATIVE HUMIDITY AND LENGTH OF STORAGE PERIOD UPON FUN-GAL INVASION AND GERMINATION PER-CENTAGE OF BAJRA SEEDS.

S R S Dange K L Kothari

Bull Grain Technol 6(2):110-112

Jun 1968 TS2120.B8

Aspergillus niger, Fungus diseases (plants), Humidity, Pearlmillet, Seed germination, Storage diseases. Time.

SUPERFICIAL SCALD, A FUNCTIONAL DIS-ORDER OF STORED APPLES, IV. - EFFECT OF VARIETY, MATURITY, OIL WRAPS AND DIPHENYLAMINE ON THE CONCENTRATION OF ALPHA-FARNESENE IN THE FRUIT.

F E Huelin I M Coggiola

J Sci Food Agr 19(6):297-301

Jun 1968 382 SO12

Apples, Crop varieties, Diphenylamine, Farnesene, Plant biochemistry, Scald, Storage diseases, Stored products.

PHYTOTOXICITY OF DITHIOCARBAMATE FUNGICIDES ON WORCESTER PEARMAIN.

A H M Kirby M Bennett R O Sharples

East Malling Res Sta Annu Rep (A51):177-181 1968 103 FA7

Apples, Crop losses, Dithiocarbamates, Ethylene-1,2-di(thiocarbamoyl dimethylthiocarbamoyl sulfide), Fungicides, Phytotoxicity, Storage diseases,

INFLUENCE OF TEMPERATURE ON BOTRYODIPLODIA ROT OF CITRUS AND SAPODILLA.

M P Srivastava R N Tandon

Indian Phytopathol 21(2):195-197

Jun 1968 464.8 IN2

Citrus, Physalospora rhodina, Sapodilla, Storage diseases, Temperature.

12873-69

CONTROL OF MANGO ANTHRACNOSE BY FUNGICIDES.

1 N Tandon B B Singh

Indian Phytopathol 21(2):212-216 REF

Jun 1968 464.8 IN2

Anthracnose, Captan, Colletotrichum gloeosporioides, Copper oxychloride, Fungicides, Fungus diseases (plants), Mangoes, Plant diseases, Storage diseases, Zineb.

ARTHROPODS

12874-69

INFLUENCE OF TEMPERATURE ON THE EF-FECTIVENESS OF PARADICHLOROBENZENE FUMIGATION OF BLACK CARPET BEETLE LARVAE.

S S Batth

J Econ Entomol 62(3):747-748

16 Jun 1969 421 J822

Attagenus megatoma, Bags, Chemical control (insects), Fumigation, Household insects, Larvae, Paradichlorobenzene, Plastics, Temperature.

TREATING PINE LUMBER WITH INSECTICIDE AND PRESERVATIVE PREVENTS TUBING BY SUBTERRANEAN TERMITES.

R H Beal

J Econ Entornol 62(3):757-758

16 Jun 1969 421 J822

Aldrin, Chemical control (insects), Chlordane, Chlorinated hydrocarbons, Dieldrin, Heptachlor, Insecticides, Lumber, Lumber preservatives, Pentachlorophenol, Pinus, Termites, Wolman salts.

12876-69

ECOLOGY OF STORED GRAIN INSECT PESTS.

G K Girish S V Pingale

Bull Grain Technol 6(2):76-95 REF

Jun 1968 TS2120.B8

Food supply, Grain, Humidity, Insect ecology, Insect pests, Insect populations, Stored products, Temperature. Many pests are mentioned.

DISINFESTATION OF STORED SEEDS BY HEAT TREATMENT.

P B Mookherjee M G Jotwani T D Yadav P Sircar

Indian J Entomol 30(3):197-202

Sep 1968 420 IN 23

Grain, Heat treatment, Sced treatment, Stored product insects.

RESULTS OF APPLICATION OF ALUMINUM PHOSPHIDE PELLETS TO RICE WEEVILS IN AN OPEN BIN AND TO ANGOUMOIS GRAIN MOTHS UNDER AIR-TIGHT CONDITIONS.

G Rout H M Tripathy L Biswal J Econ Entomol 62(3):715-717

16 Jun 1969 421 J822

Aluminum phosphide, Experimental insects, Fumigants, Insect eggs, Rice, Sitophilus oryzae, Sitotroga cerealella, Stored products.

12879-69

LABORATORY **EVALUATION** MALATHION AS A STORAGE PROTECTANT FOR FIGS.

G H Spitler

J Econ Entomol 62(3):754-756

16 Jun 1969 421 J822

Biological assay, Chemical control (insects), Figs, Insect cggs, Insect nutrition, Insecticide applica-tion, Insecticide residues, Insecticides, Larvae, Malathion, Organophosphorus compounds, Oryzaephilus mercator, Oryzaephilus surinamensis, Plodia interpunctella, Stored products.

RODENTS AND OTHER PESTS

12880-69

RATS AND MICE ENEMIES OF PRODUCTION. HAZARD TO HEALTH.

R F Burnell

New Zeal J Agr 119(1):95,97

Jul 1969 23 N48J

Economics, Food habits, Mice, Pest control, Poisoning, Rats, Stored products.

IS THE MEADOW VOLE RESPONSIBLE FOR REPORTS OF AN INCREASING STATE RAT POPULATION.

M W Fall

Penn Pest Control Quart 11(4):4

Dec 1968 SB931.A1P4

Baits, Rodent control, Rodenticides, Zinc phosphide.

12882-69

HYDROXY COUMARINS AS RODENTICIDE IN WAREHOUSES.

P R Vishwambharan

Bull Grain Technol 6(2):106-109

Jun 1968 TS2120.B8

Anticoagulants, Baits, Circulatory system, Cou-marin, Eradication, Rats, Rodenticides, Eradication, Warehouses.

MICROBIAL CONTAMINATION

12883.69

INCIDENCE STUDY OF SPORES OF CLOSTRIDIUM BOTULINUM IN CONVENIENCE FOODS.

N F Insalata S J Witzeman G J Fredericks F C A Sunga

Appl Microbiol 17(4):542-544 REF

Apr 1969 448.3 AP5

Bacteriology, Clostridium botulinum, Food contamination, Spores.

12884-69

INVESTIGATION INTO THE CULTURING OF SALMONELLA AND SHIGELLA ORGANISMS FROM MILK AND MILK PRODUCT MEDIUMS OF ENRICHMENT PROCEDURES. I. THE IN-HIBITORY ACTIVITY OF THE ENRICHMENT SUBSTRATE ON THE MILK ORGANISMS. (GE00)

K Lang

Arch Lebensmittelhyg 20(6):121-128 REF Jun 1969 41.8 L49

Culture media, Enterobacteriaceae, Food contamination, Milk, Salmonella, Tissue culture.

ENVIRONMENTAL CONTAMINATION

12885-69

ETHYLENE-ITS EFFECT ON FLOWER CROPS. R F Hasek H A James R H Sciaroni

Florist Rev 144(3721):21,65-68,79-82 27 Mar 1969 80 W41

Air pollution, Ethylene, Flowers, Plant injuries.

ADSORPTION, VOLATILITY, AND MIGRATION OF THIOCARBAMATE HERBICIDES IN

E Koren C L Foy F M Ashton

Weed Sci 17(2):148-153 REF

Apr 1969 79.8 W41

Adsorption, Ethyl N,N-dipropylthiocarbamate, Flow measurement, Herbicides, Pebulate, Soils, Thiocarbamates.

RESIDUES

12887-69

ANALYSIS OF CROPS AND SOILS FOR RESIDUES OF CHLORFENVINPHOS INSECTICIDE AND ITS BREAKDOWN PRODUCTS.

K I Beyon M J Edwards K Elgar A N Wright J Sci Food Agr 19(6):302-307

Jun 1968 382 SO12

Chlorfenvinphos, Insecticide residues, Plant biochemistry, Soil analysis.

12888-69

EFFECT OF SOIL AND CLIMATE ON HERBI-CIDE DISSIPATION.

O C Burnside C R Fenster G A Wicks J V Drew Weed Sci 17(2):241-245 REF

Apr 1969 79.8 W41

Atrazine, Climate, Herbicido residues, Linuron, Propazine, Soils, Trichlorobenzyl chloride.

EFFECTS OF DICHLOBENIL ON TWO FISH-POND ENVIRONMENTS.

O B Cope J P McCraren L Eller Weed Sci 17(2):158-165 REF

Apr 1969 79.8 W41

Animal physiology, Aquatic plants, Chemical control (weeds), Dichlobenil, Ecology, Fish, Herbicide residues, Ponds, Weed control.

COLORIMETRIC DETERMINATION OF 2,6-DICHLORD-4-NITROANILINE (DICHLORAN) RESIDUES IN FOODS.

J A Heagy

Ass Offic Anal Chem J 52(4):797-799 Jul 1969 381 AS7

Chemical analysis, Colorimetry, Dichloro-4nitroaniline, 2,6-, Food contamination, Herbicide residues, Methodology.

12891-69

PERSISTENCE AND MOVEMENT OF 2,3,6-TBA IN SOIL.

W M Phillips

Weed Sci 16(2):144-148 REF

Apr 1968 79.8 W41

Herbicide residues, Soil series, Soil testing, Trichlorobenzoic acid, 2,3,6-.

PESTICIDES RESIDUES IN FOODSTUFFS IN GREAT BRITAIN. VI. - MERCURY RESIDUES IN RICE.

N A Smart A R C Hill J Sci Food Agr 19(6):315-316

Jun 1968 382 SQ12

TOXICOLOGY

Mercury compounds, Pesticide residues, Rice.

TETRAETHYLAMMONIUM CHLORIDE AS AN ANTIDOTE FOR CERTAIN INSECTICIDES IN MICE.

T L Andrews R P Miskus

Science 159(3821):1367-1368

22 Mar 1968 470 SC12

Animal physiology, Antidotes, Carbamates, Insecticides, Mice, Nicotine, Organophosphorus compounds, Tetraethylammonium chloride. Many insecticides were tested.

12894-69

SPONGY CHANGES IN THE BRAINS OF SHEEP POISONED BY EXCESS DIETARY

P C Doherty R M Barlow K W Angus

Res Vet Sci 10(3):303-304 May 1969 41.8 R312

Brain, Copper, Feed, Lambs, Poisoning, Sheep.

SYMPOSIUM ON THE ACTION OF ENTOMOPATHOLOGIC VIRUSES AND FUNGI ON THE VERTEBRATES. (FR)

B Hurpin

Entomophaga 12(4):321-323

1967 421 EN835

Entomogenous fungi, Insect diseases, Symposia, Vertebrates.

12896-69

SYNTHESIS AND EXPERIMENTAL INVESTIGATION OF A NEW ANTHELMINTHIC, MONOPAR. (RUS)

T K Konopleva A I Krotov M B Braude R L Polovinchik

Med Parazitol Parazitarn Bolezni 37(5,SEP/OCT):546-548 REF

1968 448.8 M469

Anthelmintics, Dosage, Drug therapy, Laboratory animals, Nippostrongylus brasiliensis, Synthesis. English summary.

12897-69

A PRELIMINARY STUDY OF THE RODENTICIDAL ACTIVITY OF SOME DERIVATIVES OF 2-ARYLINDANDIONE-I,3 AND 2-ARYLACYLINDANDIONE-I,3, (POL)

T Szuber

Warsaw Panstw Zakl Hig Rocz 18(3):331-336 1967 449.9 W26

Rats, Rodenticides, Synthesis, Toxicology. English and Russian summaries.

PLANT PHYSIOLOGY & BIOCHEMISTRY

12898-69

EFFECTS OF MALEIC HYDRAZIDE IN PUR-PLE NUTSEDGE (CYPERUS ROTUNDUS L.). (POR0)

H G Blanco

Biologico 35(4):88-91

Apr 1969 442.8 B529

Cyperus rotundus, Maleic hydrazide, Plant growth inhibitors, Plant physiology. English abstract

CONTROLLING RHODODENDRON FLOWER BUD INITIATION.

R A Criley

Florist Rev 143(3715):36-37,93-94

06 Feb 1969 80 W41

Plant growth inhibitors, Plant physiology, Plant regulators, Rhododendron, Succinic acid, 2,2-dimethylhydrazide.

PLANT GROWTH REGULATOR ACTIVITY OF OPTICAL ISOMERS OF DMPA.

T W Holmsen

Weed Sci 17(2):187-188 REF

Apr 1969 79.8 W41

Dichlorophenyl O-methyl isopropylphosphoramidothioate, O-2 Echinochloa crusgalli, Festuca, Isomers, Plant growth regulator, Plant physiology, Triticum vulgare.

A NOTE ON BORON TOXICCITY IN YOUNG REPLANTINGS.

A J Jeervaratnam

RRIC Bull (N s)2(1/2, MAR-JUN):22-23

1967 SB290.A1R8

Boron, Fertilizers, Hevea, Plant biochemistry, Toxicology.

12902-69

EFFECTS OF 2,4-D AND OTHER HERBICIDES ON OXIDATIVE PHOSPHORYLATION IN MITOCHONDRIA FROM CABBAGE. P D Lotlikar L F Remmert V H Freed

Weed Sci 16(2):161-164

Apr 1968 79.8 W41

Cabbage, Herbicides, Mitochondria, Phytotoxicity, Plant metabolism, Plant physiology.

12903-69

THE DIFFERENTIAL RESISTANCE MECHANISM IN FEMALE HAMPEA SP. TREES TO THE BOLL WEEVIL.

M J Lukefahr F G Maxwell

Entornol Soc Amer Ann 63(3):542-544

May 1969 420 EN82

Anthonomus grandis, Hampea, Plant pest resistance, Plant physiology.

12904-69

IDENTIFICATION OF ETHYLENE IN GIB-BERELLIC-ACID-TREATED POTATOES.

P A Poapst A B Durkec W A McGugan F B Johnston

J Sci Food Agr 19(6):325-327 REF

Jun 1968 382 SO12

Chromatography, Ethylene, Gibberellic acid, Plant biochemistry, Plant regulators, Potatoes, Spcctrometry.

EFFECT OF SUCCINIC ACID 2,2-DIMETHYL-HYDRAZIDE ON FLOWER BUD FORMATION OF THE 'COVILLE' HIGHBUSH BLUEBERRY. V G Shutak

Hortscience 3(4, WINTER):225

1968 SB1.H6

Blueberries, Crop varieties, Plant growth inhibitors, Plant physiology, Succinic acid, 2,2-dimethylhydrazide.

12906-69

EFFECT OF GIBBERELLIN A3 ON CONCEN-TRATION OF DNA, RNA, AND PROTEIN IN PEA PLANT (PISUM SATIVUM L.).

A Solcimani

Hortscience 3(4, WINTER):276

1968 SB1.H6

Deoxyribonucleic acid, Gibberellic acid, Peas, Plant biochemistry, Proteins, Ribonucleic acid.

AFLATOXINS: IMPROVED RESOLUTION BY THIN LAYER CHROMATOGRAPHY.

R D Stubblefield G M Shannon O L Shotwell Ass Offic Anal Chem J 52(4):669-672 Jul 1969 381 AS7

Aflatoxin, Chromatography, Methodology, Plant biochemistry.

12908-69

N,N-DINITROETHYLENEDIAMINE RETARDS GROWTH OF RED CEDAR AND AMERICAN ARBORBITAE.

E 1 Sucoff

Hortscience 3(1, SPRING):42-43 1968 SB1.H6

Dinitroethylenediamine, N,N'-, Juniperus virginiana, Plant growth inhibitors, Thuja occidentalis.

METABOLIC FATE OF MONURON AND DIU-RON IN ISOLATED LEAF DISCS.

C R Swanson H R Swanson Weed Sci 16(2):137-143

Apr 1969 79.8 W41

Biological assay, Diuron, Herbicides, Monuron, Plant metabolism, Tissuc culture.

12910-69

INTERACTION OF NUTRIENTS AND FOUR ANTIFUNGAL ANTIBIOTICS IN THEIR EFFECTS OF PYTHIUM SPECIES IN VITRO AND IN SOIL.

O Vaartaja V P Agnihotri Plant Soil 30(1):49-61 REF

Feb 1969 450 P696

Antihiotics, Chlortetracycline, Cycloheximide, Griseofulvin, Nutrient solutions (plants), Plant nutrition, Pythium, Soil fungi, Streptomycin.

Griseofulvin, streptomycin, aureomycin, and actidione, with and without nutrients, were tested against Pythium ultimum Trow (two strains), P. irregulare Buis., and P. rostratum Butler. Germina-tion of sporangia of Pythium irregulare were stu-dies in vitro and in a natural soil in the presence of antibiotic and antibiotic nutrient solutions.

CHEMISTRY

12911-69

N-ALKANOYLOXYPHENOXYALKANAMIDES AS HERBICIDES, PATENT 3,446,613.

J P Berliner S B Richter

Us Patent Office Offic Gaz 862(4):1197

27 May 1969 156.65 OF2

Alkanoyloxyphenoxyalkanamides, Herbicides.

12912-69

BETA-DIALKYLAMINOALKYL ETHERS AND THIOETHERS. PATENT 3,446,843.

C Bordenca J M Derfer

Us Patent Office Offic Gaz 862(4):1237

27 May 1969 156.65 OF2

Amino compounds, Ethers, Hydrocarbons, Insect repellents, Insecticides, Patents, Synthesis.

INFRARED DETERMINATION OF DITHI-ANON.

R C Double

Ass Offic Anal Chem J 52(3):659-662

May 1969 381 AS7

Chemical analysis, Dinitrilo-1,4-dithioanthraquinone, 2,3-, Formulations, Fungicides, Spectrophotometry.

PRODUCT OF CATALYZING POLYU RETHANE FORMATION BY MEANS OF 2 MERCAPTOBENZOTHIAZOLES, THIAZOLES, POLYU-**IMIDAZOLĖS** AND IMIDAZOLINES. PATENT 3,446,779.

A F Finelli C A Suter

Us Patent Office Offic Gaz 862(4):1227 27 May 1969 156.65 OF2

Bactericides, Fungicides, Mercapto compounds, Patents, Synthesis, Urethans.

12915-69

DIMER 2,2,3,4,5,6-HEXACHLORO-CYCLOHEXADIENONE. PATENT 3,444,207.

J E Franz

Us Patent Office Offic Gaz 862(2):566

13 May 1969 156.65 OF2

Chlorinated hydrocarbons, Herbicides, Insecticides, Patents.

12916-69

2-TRI-(MIXED) HALOMETHYL BENZIMIDAZOLES- PATENT 3,448,115. G Holan E L Sammuel

Us Patent Office Offic Gaz 863(1):236

03 Jun 1969 156.65 OF2

Anthelmintics, Benzimidazoles, hydrocarbons, Herbicides, Patents. Halogenate

BROMODIFLUORONITROMETHANE THE CONTROL OF INSECTS, FUNGI AND NE-MATODES. PATENT 3,445,576.

E E Kenaga

Us Patent Office Offic Gaz 862(3):890

20 May 1969 156.65 OF2

Chemical control (pests), Fumigants, Fungi, Halogenated hydrocarbons, Insects, Nematodes, Patents, Pest control.

N-POLYHALOALKYLTHIO COMPOUNDS AS FUNGICIDAL AGENTS. PATENT 3,444,300.

G K Kohn

Us Patent Office Offic Gaz 862(2):580 13 May 1969 156.65 OF2

Fungicides, Patents.

BIBLIOGRAPHY

12919-69

PROCESS FOR PRODUCING AN ANTIFUNGAL AND ANTIPROTOZOAL SUBSTANCE, PATENT 3.458.402.

N Komatsu

Us Patent Office Offic Gaz 864(5):1607

29 Jul 1969 156.65 OF2

Fungicides, Hydroxyacetyl)-8-Bactericides. hydroxy-isocoumarin, 4-(omega-, Patents, Synthes-

12920-69 METHOD OF PREVENTING INFLUENZA VIRAL INFECTIONS, PATENT 3,444,302.

C G Kormendy

Us Patent Office Offic Gaz 862(2):580

13 May 1968 156.65 OF2

Animal diseases, Hydrocarbons, Influenza, Patents, Salts, Viruses.

12921-69

COMPOSITIONS CONTAINING ORGANOTIN METAL CARBOXYLATE ANTIMICROBIALS.

J R Leehrick

Us Patent Office Offic Gaz 862(3):834

20 May 1969 156.65 OF2

Bactericides, Chemical control (weeds), Organotin compounds, Paints, Patents, Pesticides, Plasties, Waxes.

NOVEL PROCESS FOR THE PREPARATION TRANSCHRYSANTHEMUMIC PATENT 3,445,499.

J Martel C Huynh E Toromanoff G Nomine

Us Patent Office Offic Gaz 862(3):878

20 May 1969 156.65 OF2

Chrysanthemumic acid, Esters, Insecticides, Patents, Pyrethrum, Synthesis.

DINITROPHENYLPROPANOLS HAVING HER-BICIDAL PROPERTIES, PATENT 3,444,244.

P E Newallis E J Rumanowski

Us Patent Office Offic Gaz 862(2):571

13 May 1969 156.65 OF2

Herbicides, Nitrated phenols, Patents, Propyl al-

12924-69

METHODS OF MANUFACTURING 2,6-DICHLOROBENZAMIDE, PATENT 3,444,166 (UNITED STATES).

Us Patent Office Offic Gaz 862(2):564

13 May 1969 156.65 OF2

Benzamides, Dichlobenil, Herbicides, Patents, Synthesis.

12925-69 PHOTOCHEMICAL DEGRADATION OF DIOUAT.

P Slade A E Smith

Nature 213(5079):919-920

04 Mar 1967 472 N21

Degradation, Diquat, Herbicides, Photochemistry

HERBICIDAL MIXTURE AND METHOD OF CONTROLLING UNDESIRABLE PLANT GROWTH THEREWITH. PATENT 3,443,927.

V H Unger

Us Patent Office Offic Gaz 862(2):517

13 May 1969 156.65 OF2

Methylsulfonyl-2,6-dinitro-n,n-Herbicides dipropylaniline, 4-, Patents, Propanil.

SUBSTITUTED TRICYCLO AMINO (3,2.2,02,4)NONANES, PATENT 3,444,199.

J G Whitney

Us Patent Office Offic Gaz 862(2):565 13 May 1969 156.65 OF2

Nonanes, Patents, Viruses.

ENGINEERING

12928-69

REDUCTION OF SORPTION IN ETHYLENE DIBROMIDE FUMIGATION CHAMBERS.

F Lopez D J F M Velasco

J Econ Entomol 62(3):742-743

16 Jun 1969 421 J822

Anastrepha ludens, Citrus, Construction materials, Ethylene dibromide, Fumigants, Paints, Surface chemistry.

A LABORATORY THERMAL AEROSOL GENERATOR FOR THE TESTING OF INSECTICIDAL AEROSOLS.

C B Rathhurn

Mosquito News 29(1):1-6

Mar 1969 421 M85

Biological assay, Insecticidal aerosols, Insecticide application.

12930-69

A DEVICE FOR THE DRIP APPLICATION OF INSECTICIDE CONCENTRATES.

R D Sjogren T D Mulhern R R Coplen Mosquito News 29(1):22-25

Mar 1969 421 M85

DDT, Dosage, Insecticide application, Insecticides. Methodology

12931-69

GROUND APPLICATION OF PESTICIDES.

T Suzuki

Jarq 2(2):6-8

1967 S19.J3

Chemical control (pests), Dairy equipment, Dusting, Methodology, Pesticide application, Pesticides, Spraying.

12932-69

PEST CONTROL MACHINERY IN JAPAN.

T Takenaga

Jara 2(2):12-15 1967 S19.13

Aerial spraying, Dairy equipment, Dusting, Pest control, Spraying, Tractors.

12933.69

CONVERSION OF A THERAPY X-RAY UNIT FOR INSECT IRRADIATIONS.

G W Ware C K Irwin

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Dairy equipment, Insects, Irradiation, X-rays.

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A CHEMOSTERILANT FEEDER FOR INSECTS.

J R Young E A Harrell M C Bowman

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Biological lahoratories, Chemosterilants, Dairy equipment, Experimental insects, Feeders, Insect hehavior, Insect pests, Insect physiology, Reproduction, Sex hehavior, Spodoptera frugiper-

INDUSTRY

REGULATIONS

12935-69

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D.1. Bierlein

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Agricultural research, Biological control (pests), Chlorinated hydrocarhons, DDT, Environment, Pesticides, Tolerances.



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Glasgow, university; Wellcome Laboratories for Experimental Parasitology	Nairobi. university College; Dept. of Pathology and Microbiology	Bryant, P J Case Western Reserve University; Developmental
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Lithuanian Academy of Sciences, Vilno, USSR;	12716	Bonn. universitat; Institut fur Angewandt
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Clifford, D R	Buenos Aires, instituto Nacional de Tecnologia;	Eickwort, G C
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Cole, M M	Deeb, B J American Univ., Beirut, Lebanon; Dept. of Biology	Cornell, university; Dept. of Entomology and Lim nology, N. Y. 1235
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Puerto Rico. university. nuclear Center, San Juan	Mount, G A	West Virginia. university; Dept. of Agronomy
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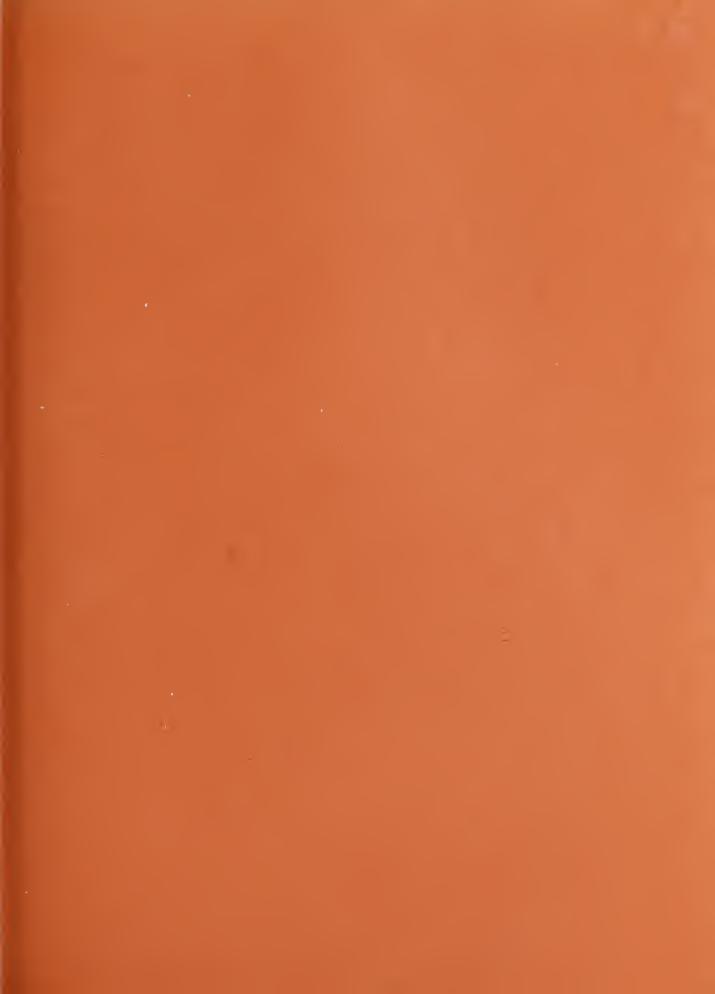
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